20000725.qrp v01_n893.qrl.20000725

Date: Tue, 25 Jul 2000 19:03:08 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1893

QRP-L Digest 1893

Topics covered in this issue include:

    by David Newkirk <dpnewkirk@home.com>
20) [75795] Re: Ditter on 14.008
    by Shephed@aol.com
21) [75796] Tuna Tin II mods...
    by "Steve McDonald" <jsm@gulfislands.com>
22) [75797] RE: OT: I have Linux, Now What...
    by schoon@amgt.com
23) [75798] Re: Ditter on 14.008
    by "George , W5YR" <w5yr@att.net>
24) [75799] BLT enclosure options
    by Paul Womble <pwomble1@tampabay.rr.com>
25) [75800] The ditter
    by "Tom Dufresne" <tdufres@hotmail.com>
26) [75801] Re: TRIANGULATION ON 14.060?
    by AdamN7YA@aol.com
27) [75802] Ditter Due South
    by "K7FD-N7SG" <cqdx@teleport.com>
28) [75803] Re: Broadband antennas with resistors
    by Jim/Julia <w7ls@blarg.net>
29) [75804] 5 Watt Mod for the SMK-1
    by NB6M@aol.com
30) [75805] Re: Ditter on 14.008
    by "Mark M." <markem@primenet.com>
31) [75806] Test message.
    by "Layton Fulton" <l.fulton@ns.sympatico.ca>
32) [75807] OT: Tale of Two Cups
    by "K7FD-N7SG" <cqdx@teleport.com>
33) [75808] All Roads Lead to Tuthill
    by "James R. Duffey" <jamesd1@flash.net>
34) [75809] 14.008MHz
    by wj5o@juno.com
35) [75810] QRPers in Altus OK area?
    by "Kelly Ellison" <kelman@dialnet.net>
36) [75811] 14.008
    by "Layton Fulton" <l.fulton@ns.sympatico.ca>
37) [75812] Wire Sprint (SpWirent?)
    by "James R. Duffey" <jamesd1@flash.net>
38) [75813] Re: OT: Tale of Two Cups
    by Russ Dow <n7dw@garlic.com>
39) [75814] Island Bumblebee Expedition
    by Paul Stroud <aa4xx@ipass.net>
40) [75815] FS: Update - watts sold...
    by Radman <radman@best.com>
41) [75816] Re: varactors & black magic
    by John Kuklewicz N7ZN <kukl@cybrquest.com>
42) [75817] WTB: front panel for Argosy I
    by Dave Redfearn <n4elm@home.com>
43) [75818] Re: HB: filter caps & decoupling & wattmeters

    by neil tanner <ntan@crosslink.net>
68) [75843] Looking for Tuna Tin II Sked...W6/W7..??
    by "Steve McDonald" <jsm@gulfislands.com>
69) [75844] (no subject)
    by NB6M@aol.com
70) [75845] need help to contact Mosley Antenna
    by "Armin Hachmer" <armin@muskoka.com>
71) [75846] FS: HTX-10
    by Mike Maiorana <mikemo@attglobal.net>
72) [75847] Re: 14.008
    by w8ln@ifreedom.com
73) [75848] RE: need help to contact Mosley Antenna
    by "Mike D." <hrg@cifnet.com>
74) [75849] Summer Fox Hunt #3 - N5TW - corrected -
    by Bruce Rattray <rattray@gpfn.sk.ca>
75) [75850] Summer Fox Hunt #4 - WJ1R -
    by Bruce Rattray <rattray@gpfn.sk.ca>
76) [75851] Foxes
    by Stewart Bryant <stewart.bryant@virgin.net>
77) [75852] P.S. Pass transistor
    by "Joe Trombino" <w2kj@earthlink.net>
78) [75853] RE: P.S. Pass transistor
    by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
79) [75854] Summer Fox Hunt #5 - AE2T -
    by Bruce Rattray <rattray@gpfn.sk.ca>
80) [75855] Dan's Small Parts.
    by "Randall" <Firefox@Southwind.net>
81) [75856] question
    by Bruce Rattray <rattray@gpfn.sk.ca>
82) [75857] WTB - GM series xcvr
    by n5ib@juno.com
83) [75858] RE: Dan's Small Parts.
    by Andreas Junge <andreas@OpenGrid.Com>
84) [75859] Summer Fox Hunt #6 - W8RU -
    by Bruce Rattray <rattray@gpfn.sk.ca>
85) [75860] Re: P.S. Pass transistor
    by "Brad Hernlem" <alihernlem@hotmail.com>
86) [75861] RE: question
    by Mike Gipe <mgipe@reliablemeters.com>
87) [75862] Re: question
    by "Rod, N0RC" <n0rc@qsl.net>
88) [75863] FOX: Chuck Bags another Pelt
    by "Marshall Emm" <mgemm@mtechnologies.com>
89) [75864] KB1ENS log from last night
    by John Wagner <john@neknetwork.com>
90) [75865] FOX: Summer Fox Hunt Stats
    by "Marshall Emm" <mgemm@mtechnologies.com>
91) [75866] re.:contact Mosley Antenna(Search Engines)

    by wa4dou@excite.com
 92) [75867] contact for Mosley received
    by "Armin Hachmer" <armin@muskoka.com>
 93) [75868] Elmer 101 tool requirements
    by Michael Bower <bowerm@ix.netcom.com>
 94) [75869] vacation antenna
    by Michael Bower <bowerm@ix.netcom.com>
 95) [75870] CQ Austin, TX
    by Paul Womble <pwomble1@tampabay.rr.com>
 96) [75871] Help winding xformers!
    by "Tom Dufresne" <tdufres@hotmail.com>

Date: Mon, 24 Jul 2000 19:01:31 -0400
From: wb2vuo@juno.com
To: qrp-l@lehigh.edu
Subject: [75776] Re: The "Max-Comm" antenna
Message-ID: <20000724.190422.-378567.0.wb2vuo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I did not X-ray it, but the Radiographs were taken by one of my
co-workers in CT.

The request came from a friend of an ARRL staffer back at that time, now
a Silent Key, and it was X-rayed in our facility in Essex, CT.

I saw the film, and the innards consisted of a junk PCB with mystery
parts, and four 200-ohm non-inductive resistors, all in an epoxy lump.

It reminded me of the "Electronics Illustrated" antenna article in April
1968, the "Bat-Wing, and Indoor All-Channel CB Antenna", which worked
just as well on 75M as it did on 11M.

I still have the info on that dummy load somewhere. Ask me with a direct
Email if you are interested. the author was a ham named Tom Knietel at
EI

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp
President, Brockport Amateur Radio Klub & Tech Coordinator, ARRL WNY
Section
My night light runs more power than my Rig!!!
Replies - mailto:wb2vuo@arrl.net

Try it today - there's no risk! For your FREE software, visit:
http://dl.www.juno.com/get/tagj.

Date: Mon, 24 Jul 2000 18:15:09 -0500
From: "George , W5YR" <w5yr@att.net>
To: QRP-L@Lehigh.EDU
Subject: [75777] 14.008
Message-ID: <397CCDFD.A2D7338@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Latest from North Texas:

Ditter is now (2310Z) S5-6 on

                  14,007.8529 KHz

again compensating for WWV offset error in Kachina calibration (5.1 Hz).

Some minor QSB so not local around here.
--
72/73, George   W5YR - the Yellow Rose of Texas
Fairview, TX   30 mi NE Dallas in Collin county   QRP-L 1373
Amateur Radio W5YR, in the 54th year and it just keeps getting better!
R/C since 1964 - AMA 98452   RVing since 1972   Kachina #91900556
(12/99)

Date: Mon, 24 Jul 2000 16:21:57 -0700 (PDT)
From: Steve Yates <aa5tb@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75778] Re: Broadband antennas with resistors
Message-ID: <20000724232157.19213.qmail@web3003.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- Rick McKee <kc8aon@juno.com> wrote:
> B&W markets a 90' long folded dipole that supposedly
> covers 1.8 to 30
> mhz, wonder what it has in it's center insulator ?

Actually, the resistor is just opposite the feedpoint.
 With such an antenna a significant portion of the RF
energy is radiated and only a small portion is

absorbed by the resistor. Typically, the lower you go
in frequency with such an antenna, the greater the
energy absorbed by the resistor.

A 1/4 wave monopole without an extensive groundplane
has a very significant resistor (the earth) right at
the feedpoint. The point is you have to put things
into perspective. In applications (example, military)
that require a broadband antenna more then the
absolute maximum efficiency out of the antenna can use
such antennas. Granted, there are some antennas that
really are nothing more then leaky dummy loads.

A terminated rhombic is an example of an antenna that
uses a resistor but yet still has high gain and
efficiency in the desired direction.

In our QRP operations the goal is usually to squeeze
out every last bit of RF out of an antenna so antennas
with resistors usually should be used with caution.
At least understand how the resistor is used.

=====
73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
http://www.geocities.com/aa5tb
aa5tb@arrl.net

_____

Date: Mon, 24 Jul 2000 16:24:49 -0700
From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
To: "'hhurst@delanet.com'" <hhurst@delanet.com>, "'qrpl'" <qrp-l@Lehigh.EDU>
Subject: [75779] Re: HB: filter caps & decoupling & wattmeters
Message-ID: <87568F78ABDCD211A0AC0008C707718B029D0F86@az10exm03.sat.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"

>#2 I can't find any good info on

>designing decoupling circuits for
>high-gain audio amps. It has to
>be in those books somewhere!

Harry:

I think I can help with this one.

In really stubborn cases, I have used a 7808
8v regulator to act as decoupling circuit.

For normal cases, there is a circuit known
as a capacitor multiplier that can also
be used for isolation. This is a NPN
emitter follower circuit with the collector
tied to B+ (12v I assume), a cap to ground
from the base (10 uf or so), a resistor
from collector to base (2K - 20K or so)
and the emitter feeds the circuit to be
decoupled.

The R/C combination makes a low pass filter
from the B+ to the base of the transistor.
Because of the gain of the transistor, the
"effective" cap referenced at the emitter is
the base cap multiplied by the gain of the
transistor. It is a handy circuit to keep
in mind.

But in your case, the emitter is strongly
decoupled from the B+, which will help reduce
feedback via that path.

I think this same sort of thing was used
to feed the discrete audio preamps on a
R2 receiver. I think it was referred as
an active load or something like that,
but it had the same B+ isolation effect.

I have found from practical experience that
loading down the input stage helps also,
but that is not always very practical.

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

Date: Mon, 24 Jul 2000 17:28:12 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [75780] 14.008
Message-ID: <Pine.LNX.3.95.1000724172541.27222A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

It's 2326Z and the dits are still going and going and going....must be
that rabbit eh!?!...hi hi...I am now receiving an S meter reading of 2
with my 2 el yagi heading SW.................

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
          A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
          "QRP! How sweet it is!"   "I am da man wit "DAH" paddle!"

Date: Mon, 24 Jul 2000 17:27:26 -0600
From: Tim Pettibone <k5oi@zianet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [75781] Re: 14.008
Message-ID: <3.0.5.32.20000724172726.007ba6d0@zianet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Still "ditti'n" away here in NM - about s4 at 2331z. My zepp won't tell me
from which direction.

Tim K5OI
Las Cruces, NM

Date: Mon, 24 Jul 2000 16:36:36 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-l@Lehigh.EDU>
Subject: [75782] Re: K2 balanced output?
Message-ID: <001601bff5c8$02a81f20$66d0fc9e@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Goran
Yes, you can put a 1:1 balun in the battery lead. BUT !!!
If the battery has its negative terminal grounded, the rig will be floating and hot to ground for rf. Not sure this is what you want.

You didn't say whether your atenna feedline is coax or a balanced line.
If you are used balanced antenna feedline, then the proper place for the balun is
at the antenna port of the K2. If you are using an external antenna tuner, then the 1:1 balun would go at the antenna port of the tuner.

Hmmm, or are you pulling our collective leg?

73, Bob N6WG

Date: Mon, 24 Jul 2000 16:34:45 PDT
From: "laura halliday" <marsgal42@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [75783] Re: OT: I have Linux, Now What...
Message-ID: <20000724233445.74085.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I've gotten some email on this - here's a quick note on
what an operating system is, and why Linux is different
from Windows or DOS...

Loosely defined, an operating system is a set of programs
that run directly on the hardware and make it more useful
or accessible in some way.

Example: a hard disc appears as a numbered series of (on
PCs and related systems) 512 byte blocks. All it can do is
read and write these blocks. But by reserving some of these
blocks and writing its own information in them, the OS pro-
vides users with files and directories. Similarly, the OS
hides the differences between a hard disc, a floppy, a
CDROM, or a network server from the user. They all look
the same.

Continuing with disc drives, the OS handles the task of
telling drives apart, and of identifying them to the user
in a meaningful (to the user) way. But this is where
systems differ: while DOS and its derivatives use drive
letters, Linux, as a Unix clone, does it the Unix way.

Which means that the tree of directories on a disc is
grafted into the main tree.

On my system, for example, I have two partitions for Linux.
DOS would call these partitions C: and D:. Under Linux
it's all one great big tree, with the second partition
appearing under /usr. Similarly, when I mount a CDROM,
the directories on it go into the tree under /cdrom, while
the floppy lives at (you guessed it!) /floppy. There's
even a directory called /dos, which is the directory tree
of my Windows 95 partition. For example,

Under DOS	Under Linux
a:foo.txt	/floppy/foo.txt
c:foo.txt	/foo.txt
c:\foo\bar.txt	/foo/bar.txt
d:\foo.txt	/usr/foo.txt
d:\foo\bar.txt	/usr/foo/bar.txt

Other examples: devices are not generally accessible under
DOS, except through special drivers. Under Linux, all
devices appear as "files" in a directory called /dev,
accessible to everybody. The mouse is /dev/mouse, my
hard drive is /dev/hda1 through /dev/hda4 (1st IDE con-
troller, master drive, partitions 1 through 4). The
sound card is /dev/dsp - read from it and get samples.
Write to it and make noises. While imperfect, it's
a powerful way of making devices accessible, and making
them look more-or-less the same.

So I hope you see the problem: because Linux does things
its own way, it can't do much with Windows programs, which
do things the Windows way. Similarly, Windows can't do
anything with Linux programs - in fact, it doesn't even
acknowledge that the Linux partitions exist!

Linux is *not* the solution to all the industry's ills.
You should know what you're doing to make it work. You
must know what you're doing to get the very best results.

We now return to our regularly scheduled QRP-L.

Laura Halliday VE7LDH "Que les nuages soient notre
Grid: CN89mg pied a terre..."
- Hospital/Shafte

Date: Mon, 24 Jul 2000 19:36:09 EDT
From: N1ODL@aol.com
To: qrp-l@lehigh.edu
Subject: [75784] 14.008
Message-ID: <78.8146d89.26ae2ce9@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Can barely here the DIT'S here in NH. about S1. CAn't gove any dircectional info though.
Aron
N1ODL
Bedford, NH

Date: Mon, 24 Jul 2000 17:41:03 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: "George , W5YR" <w5yr@att.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75785] Re: 14.008
Message-ID: <Pine.LNX.3.95.1000724174019.27222F-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

He's now S-1 at 2340.............still peaking here in SW direction from Regina, SK.....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
          A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
          "QRP! How sweet it is!"   "I am da man wit "DAH" paddle!"

Date: Mon, 24 Jul 2000 20:04:18 -0400 (EDT)
From: "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>
To: Bruce Rattray <rattray@gpfn.sk.ca>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75786] Re: 14.008
Message-ID: <Pine.BSI.4.05L.10007242002400.29145-100000@vh1.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 24 Jul 2000, Bruce Rattray wrote:

>   "QRP! How sweet it is!"   "I am da man wit "DAH" paddle!"
                                              In Search of the da man wit
                                              Dah "DIT" paddle

./
baltimoremd@baltimoremd.com   Thom LaCosta K3HRN Webmaster

http://www.baltimoremd.com/   Baltimore's Home Page
http://www.baltimorehon.com   Home of the Baltimore Lexicon
http://www.min.net/~thom/   QRP and Drake Mail List Pages

Date: Mon, 24 Jul 2000 20:01:47 -0400
From: Jim Lyons <lyons@canada.com>
To: qrp-l@lehigh.edu
Subject: [75787] Re: 14008
Message-ID: <3.0.5.32.20000724200147.0083fe20@pop.videotron.ca>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii

The "ditter" is presently peaking S8 in Montreal on my ATB34 at 50 feet.
He seems to be in a direction slightly South of West but there's QSB so it
is hard to get a definite fix.

Jim Lyons, VE2KN
Montreal

Date: Mon, 24 Jul 2000 20:09:24 -0400
From: "Harry Hurst" <hhurst@delanet.com>
To: <marsgal42@hotmail.com>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [75788] Re: OT: I have Linux, Now What...
Message-ID: <006e01bff5cc$97994100$6950e2d8@upstairs>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It would be a good thing to check out www.linux.com for information on
Linux. There are also hundreds of Linux links on Yahoo. There are several

Linux books available for download thru the Linux Documentation Project. There are many Linux news groups and mailing lists. You will find many distributions of Linux on the web, among them, Red Hat, Slackware, Debian, Caldera, SuSE, and a host of others.

The best way to learn Linux is to RTFM, then load it and use it. The learning curve is much steeper than with DOS or Windows, but in the end it is worth the effort.

There are many Linux users on QRP-L, but this is a QRP list, please! If we need to start a QRP-Linux list, eGroups is a good way to go. I receive mail from some other QRPers about Linux, I'm sure they would like to join in the conversation. But the conversation would be better if it was elsewhere. This is meant as a gentle suggestion rather than as a nastygram or a list-police raid.
Negative comments about this message go to WA3PTG@notinterested.com

Hap, WA3PTG
Wilmington DE

----- Original Message -----
From: laura halliday <marsgal42@hotmail.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Monday, July 24, 2000 7:34 PM
Subject: Re: OT: I have Linux, Now What...

> I've gotten some email on this - here's a quick note on
> what an operating system is, and why Linux is different
> from Windows or DOS...
>
> Loosely defined, an operating system is a set of programs
> that run directly on the hardware and make it more useful
> or accessible in some way.
>
> Example: a hard disc appears as a numbered series of (on
> PCs and related systems) 512 byte blocks. All it can do is
> read and write these blocks. But by reserving some of these
> blocks and writing its own information in them, the OS pro-
> vides users with files and directories. Similarly, the OS
> hides the differences between a hard disc, a floppy, a
> CDROM, or a network server from the user. They all look
> the same.
>
> Continuing with disc drives, the OS handles the task of
> telling drives apart, and of identifying them to the user
> in a meaningful (to the user) way. But this is where

> systems differ: while DOS and its derivatives use drive
> letters, Linux, as a Unix clone, does it the Unix way.
> Which means that the tree of directories on a disc is
> grafted into the main tree.
>
> On my system, for example, I have two partitions for Linux.
> DOS would call these partitions C: and D:. Under Linux
> it's all one great big tree, with the second partition
> appearing under /usr. Similarly, when I mount a CDROM,
> the directories on it go into the tree under /cdrom, while
> the floppy lives at (you guessed it!) /floppy. There's
> even a directory called /dos, which is the directory tree
> of my Windows 95 partition. For example,
>
> Under DOS Under Linux
>
> a:foo.txt /floppy/foo.txt
> c:foo.txt /foo.txt
> c:\foo\bar.txt /foo/bar.txt
> d:\foo.txt /usr/foo.txt
> d:\foo\bar.txt /usr/foo/bar.txt
>
> Other examples: devices are not generally accessible under
> DOS, except through special drivers. Under Linux, all
> devices appear as "files" in a directory called /dev,
> accessible to everybody. The mouse is /dev/mouse, my
> hard drive is /dev/hda1 through /dev/hda4 (1st IDE con-
> troller, master drive, partitions 1 through 4). The
> sound card is /dev/dsp - read from it and get samples.
> Write to it and make noises. While imperfect, it's
> a powerful way of making devices accessible, and making
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>
> So I hope you see the problem: because Linux does things
> its own way, it can't do much with Windows programs, which
> do things the Windows way. Similarly, Windows can't do
> anything with Linux programs - in fact, it doesn't even
> acknowledge that the Linux partitions exist!
>
> Linux is *not* the solution to all the industry's ills.
> You should know what you're doing to make it work. You
> *must* know what you're doing to get the very best results.
>
> We now return to our regularly scheduled QRP-L.
>
> Laura Halliday VE7LDH   "Que les nuages soient notre
> Grid: CN89mg   pied a terre..."
>   - Hospital/Shafte

> _____
> Get Your Private, Free E-mail from MSN Hotmail at http://www.hotmail.com
>
>

Date: Mon, 24 Jul 2000 19:20:54 cdt
From: wj5o@juno.com
To: QRP-L@LEHIGH.EDU
Subject: [75789] 14.008MHz
Message-ID: <20000724.192154.-198913.2.wj5o@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hi All,
At 00:20Z 26 July 00 the signal was S-9 to 10db over into Corpus Christi,
TX. The strongest signal was about 295 degrees or WNW from here. This is
also the direction I use when working Southern Califorina.
73 Bill WJ5O

Date: Mon, 24 Jul 2000 20:33:55 -0400
From: "Ed Nelson" <edxnelson@home.com>
To: <richqrp@home.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [75790] Re: 14.008
Message-ID: <003f01bff5d0$043a5e40$2c490b18@prntn1.nj.home.com>

In NJ at 00:30Z it peaks at S9 with the beam directly west
Ed   W4EN

----- Original Message -----
From: Rich Wilkerson <richqrp@home.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Monday, July 24, 2000 6:46 PM
Subject: Re: 14.008

> I could send "test" de WD6FDD on this frequency and let you see if you can
> hear my sig from San Diego???????? And compare...
> ----- Original Message -----
> From: "Alan Dawkins" <alk0frp@home.com>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Monday, July 24, 2000 3:32 PM
> Subject: Re: 14.008

>
>
> > Its still there S4 2234Z
> > -----Original Message-----
> > From: George , W5YR <w5yr@att.net>
> > To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> > Date: Monday, July 24, 2000 4:32 PM
> > Subject: Re: 14.008
> > >
> > >
> > > >I just returned from the shack where the ditter was coming in about
S4-5.
> > > >I do not have any directional antennas so nothing on the direction. He
> > > >went OFF abruptly at approx 2225Z.
> > > >
> > > >I did take time to get an accurate frequency on him, though:
> > > >
> > > > 14,007.1529 KHz
> > > >
> > > >corrected for 5.1 Hz frequency offset from WWV (10 MHz) in the Kachina.
> > > >
> > > >Since the signal seems to come on and off rather abruptly, it sounds
> > > >unlike QSB or a dot-lever stuck. Unless the guy found it and turned it
> > > >off at 2225Z!   ;^)
> > > >
> > > >72/73, George   W5YR - the Yellow Rose of Texas
> > > >Fairview, TX   30 mi NE Dallas in Collin county   QRP-L 1373
> > > >Amateur Radio W5YR, in the 54th year and it just keeps getting better!
> > > >R/C since 1964 - AMA 98452   RVing since 1972   Kachina #91900556
> > > >(12/99)
> > > >
> > > >
> > > >Alan Dawkins wrote:
> > > >>
> > > >> the diter is due west of Denver S5 at 2200 Z
> > > >> 4 el mono 82 ft
> > > >> Al K0FRP
> > > >
> > > >--
> > >
> >
>

Date: Mon, 24 Jul 2000 20:58:33 -0400

From: John Wagner <john@neknetwork.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75791] Re: ANT: Will test Bazooka on air tonight
Message-ID: <397CE639.3006F9FA@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It's been pointed out to me that by publishing which antenna was which ahead of time the results will be skewed.

So, I will ask: "RST fer ant A? BK" while transmitting on ant A and "RST fer ant B? BK" while transmitting on ant B while randomizing which ant is A and which is B throughout the evening. When I do up the web page for this I will indicate which was A and B for each QSO.

Appologies for the late notice and mix-up. Tnx agn fer helping if you can. Getting on the air now... 73,

John, KB1ENS
--
John Wagner - john@neknetwork.com
Web page: http://www.neknetwork.com
Personal Web page: http://www.together.net/~jwag

Date: Mon, 24 Jul 2000 20:05:26 -0500
From: "George , W5YR" <w5yr@att.net>
To: edxnelson@home.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75792] Re: 14.008
Message-ID: <397CE7D6.B39FD59C@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

North Central Texas - 0153Z - 14,007.8529 KHz - now S9+ on any antenna. Scope picture of receiver output audio shows normal cw dot makeup with fairly well shaped elements.

I hear other stations near or on the frequency as well, but few are as strong as The Ditter.

72/73, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 54th year and it just keeps getting better!
R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556

(12/99)

Ed Nelson wrote:
>
> In NJ at 00:30Z it peaks at S9 with the beam directly west
> Ed   W4EN

Date: Mon, 24 Jul 2000 21:15:30 -0400
From: Tom and Roxy <zikot@erie.net>
To: qrp-l@Lehigh.EDU
Subject: [75793] Ditter on 14.008
Message-ID: <3.0.5.32.20000724211530.007bf320@erie.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

0114 UTC
Signal is 589 with QSB here in Erie, PA. Have been monitoring
this signal for the past 45 min and it is just now peaking.
Omni-directional antenna here so unable to give heading.

73's es gud DX!

Tom & Roxanne
WA1VAI/3

Date: Mon, 24 Jul 2000 21:16:52 -0400
From: David Newkirk <dpnewkirk@home.com>
To: qrp-l@Lehigh.EDU
Subject: [75794] Re: ANT: Antennas with resistors
Message-ID: <397CEA84.11DA45FE@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ed Manuel wrote:

"Just saw another one at the Dallas/Arlington HamComm. This one was a
two
element rotatable antenna that claims all band low VSWR coverage with
one
feedline. Yep, there's a BIG resistor in the feedpoint assembly. Thing

will handle full legal limit, too (gee). Note I didn't say directional, or
beam, or anything else that describes some kind of predictable
performance.

"Just goes to show you what QRPers already knew.

"If you start with 100 watts, radiate 1 or two in the copper and aluminum,
and dissipate 99 in the resistor, you can really make contacts."

The loading resistor in such systems usually doesn't dissipate that much; the loss is usually no more than 6 dB at most; 3 dB is more likely. And such systems are usually not QRP in the ham-radio "under 5 watts" sense.

Despite the bad reputation given to the technique by at least one manufacturer who described the SWR reduction and broadbanding that results from such resistive loading as "high speed" -- as if some sensing and dynamic matching mechanism were involved -- resistive antenna loading can be appropriate technology, depending on the system goal. If, for instance, you have a frequency-hopping communications link that must hop over more than a few hundred kilohertz at HF, the broadbanding afforded by resistive antenna loading can do away with the need to implement a matching network capable of following the hops.

Most commercial radios are at least 3 dB more sensitive than they need to be across much of the HF range, so losing 3 dB in an attenuator would be of little consequence in receive. In transmit, you'd just turn up the power (assuming sufficient dissipation capability in the loading resistance) to achieve the necessary transmitter field strength. What's not to like if you achieve your communication goal?

There is at least one more case in which resistive antenna loading can be appropriate technology: Feeding a doublet antenna that's very electrically short with a low-impedance feedline can result in inordinately high mismatch loss (it can be tens of decibels) in the feedline. In such cases, it's sometimes possible to increase the system's radiated power by adding an appropriate value of resistance across the doublet feedpoint. How can adding a resistive laod actually *increase* the system's output? By decreasing the feedline's mismatch loss by an amount that more than makes up for what the resistor dissipates. Broadbandedness results as a bonus.

73,

Dave Newkirk, W9VES
dpnewkirk@home.com

Date: Mon, 24 Jul 2000 21:24:29 EDT
From: Shephed@aol.com
To: qrp-l@lehigh.edu
Subject: [75795] Re: Ditter on 14.008
Message-ID: <b9.53b3b63.26ae464d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I have it at about a 559 here in SW Ohio.

Still think it's a W5YI test session. :-)

In a message dated 7/24/00 9:16:38 PM Eastern Daylight Time, zikot@erie.net
writes:

> 0114 UTC
> Signal is 589 with QSB here in Erie, PA. Have been monitoring
> this signal for the past 45 min and it is just now peaking.
> Omni-directional antenna here so unable to give heading.
>
> 73's es gud DX!
>
> Tom & Roxanne
> WA1VAI/3

72, 73, oo's
Dan, N8IE Kettering,Oh
FPqrp #--6, QRP-l #1404, FISTS #4985, Zombie #667, SOC #284
http://members.aol.com/shephed/n8ie.htm

Date: Mon, 24 Jul 2000 18:31:23 -0700
From: "Steve McDonald" <jsm@gulfislands.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [75796] Tuna Tin II mods...
Message-ID: <000d01bff5d8$0e8b1440$6611f4cc@jsm>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Has anyone put this little fellow on any other bands like 30m or 20m or higher?

Steve / VE7SL

Date: Mon, 24 Jul 2000 18:23:13 -0700
From: schoon@amgt.com
To: <qrp-l@Lehigh.EDU>, <marsgal42@hotmail.com>
Subject: [75797] RE: OT: I have Linux, Now What...
Message-ID: <c=US%a=_%p=American_Geotech%l=AG-CALCITE-BD-000725012313Z-1727@mail.amgt.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

><snip>
>So I hope you see the problem: because Linux does things
>its own way, it can't do much with Windows programs, which

</snip>

Actually, most Linux distros can run a bunch of Windoze/DOS based programs via dosemu or wine, or you can checkout http://www.vmware.com to run Windows/NT/2000 stuff.
>
>Linux is *not* the solution to all the industry's ills.
>You should know what you're doing to make it work. You
>*must* know what you're doing to get the very best results.

Gee, kinda sounds like QRP?? Oh, and yes it is THE industry solution!! :)
>
>We now return to our regularly scheduled QRP-L.

Yup.... Back to etching copper....
>
>Laura Halliday VE7LDH "Que les nuages soient notre
>Grid: CN89mg pied a terre..."
> - Hospital/Shafte
>_____
>Get Your Private, Free E-mail from MSN Hotmail at http://www.hotmail.com
>
>72 es .mark

Date: Mon, 24 Jul 2000 20:32:26 -0500
From: "George , W5YR" <w5yr@att.net>
To: Shephed@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75798] Re: Ditter on 14.008
Message-ID: <397CEE2A.8B5CC96@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The Ditter is now so strong here in North Central Texas at 0130Z that I can clearly see 4 sidebands on either side of his carrier frequency resulting from the keying.

This suggests that the keying is very hard which further suggests that (1) it is not an amateur radio signal and (2) whoever designed the system was not concerned with purity of keying, bandwidth conservation, etc. Scope examination of the audio confirms, now that the signal is so strong, that is is very hard keying with virtually no rise and fall times.

Also, he has drifted up one Hz now from about an hour ago. Fairly stable, which suggests either a high-end ham transmitter or commercial/military gear.

Interesting little mystery . . .

72/73, George   W5YR - the Yellow Rose of Texas
Fairview, TX   30 mi NE Dallas in Collin county   QRP-L 1373
Amateur Radio W5YR, in the 54th year and it just keeps getting better!
R/C since 1964 - AMA 98452   RVing since 1972   Kachina #91900556
(12/99)

Shephed@aol.com wrote:
>
> I have it at about a 559 here in SW Ohio.
>
> Still think it's a W5YI test session. :-)
>

Date: Mon, 24 Jul 2000 21:36:30 -0400
From: Paul Womble <pwomble1@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [75799] BLT enclosure options
Message-ID: <397CEF1E.186DAED7@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Has anyone built the BLT tuner in an enclosure other than the one
supplied with the kit? Looking for ideas.

Thanks
Paul AJ4Y

Date: Tue, 25 Jul 2000 01:40:08 GMT
From: "Tom Dufresne" <tdufres@hotmail.com>
To: qrp-l@LeHigh.EDU
Subject: [75800] The ditter
Message-ID: <F113xMAW9VPE1WYb2wJ00002aea@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I found him/her on around 14.003-14.008mHz, strongest at about 14.006mHz.
(on my handy R/S DX398)Abt a s8 here in Lincoln, NE. Very annoying, eh?
TCD

Date: Mon, 24 Jul 2000 21:41:00 EDT
From: AdamN7YA@aol.com
To: qrp-l@lehigh.edu
Subject: [75801] Re: TRIANGULATION ON 14.060?
Message-ID: <38.90e70fe.26ae4a2c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 7/24/2000 9:32:05 AM Pacific Daylight Time, W1RO@aol.com
writes:

<< No hams in the Vegas area other than myself and 1 ham that is into
listening
 to Area51 frequencies.
 73 >>

Actually I am in Vegas...but i run indoor antennas. i heard the dits loud one night last week.

73...Adam, N7YA
QRP-L 1608, SOC 143
Flying Pig #86
DXer...cant help it!
CW Spoken Here . .

Date: Mon, 24 Jul 2000 18:44:00 -0700
From: "K7FD-N7SG" <cqdx@teleport.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [75802] Ditter Due South
Message-ID: <006e01bff5d9$cfad1b40$60231ad8@default>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

FWIW -

>From Oregon, the ditter is strongest when quad is pointed at 165 degrees, darn near straight south...

...about S8

John K7FD

Date: Mon, 24 Jul 2000 18:58:07 -0700
From: Jim/Julia <w7ls@blarg.net>
To: kc8aon@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75803] Re: Broadband antennas with resistors
Message-ID: <397CF42F.E8C35031@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Look up their patent on the IBM Patent page. It lays it out in gory detail. My experience with it is lousy, at least at 160 and 80 meters. Several S-units down from a dipole at the same height, using the same power. I was

100 miles down range in a car and had two stations at the same range transmitting. Propagation was NVIS at that time/freq/flux. May be better on higher freqs. Forget it on 160 and 80, though. Jim W7LS

Rick McKee wrote:

> B&W markets a 90' long folded dipole that supposedly covers 1.8 to 30
> mhz, wonder what it has in it's center insulator ? Supposedly used by
> military and embassies around the world ! Anyone ever used one or taken
> one apart to see what makes it tick ? I bet I know !
>
> 73...Rick McKee KC8AON   { CW lives as long as I do ! }
> Willow Wood,Ohio   "oo's"
> AR QRP # 269   QRP-L # 2112   ZOMBIE # 718   FPqrp # 33
> TriState BrassPounders # 1
>
> ____
> YOU'RE PAYING TOO MUCH FOR THE INTERNET!
> Juno now offers FREE Internet Access!
> Try it today - there's no risk! For your FREE software, visit:
> http://dl.www.juno.com/get/tagj.

Date: Mon, 24 Jul 2000 21:57:37 EDT
From: NB6M@aol.com
To: qrp-l@lehigh.edu
Subject: [75804] 5 Watt Mod for the SMK-1
Message-ID: <c5.7aa7eff.26ae4e11@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Well, here we go again, hi.

I just couldn't keep from trying for more power out of the SMK-1. Here is an easy to do mod, using a cheap IFR-510 Mosfet from Radio Shack, that will give you 5 watts out.

It requires a few more parts than the 1 Watt Mod, but gives the rig significantly higher power out. I have a zipped file of the bitmap format (Paint Program) circuit drawing which I will email to anyone who wants it. Study the circuit diagram before starting the mod, so as to get a good idea of what we are inserting into the SMK-1 circuit.

What we are doing is removing C-22, and effectively inserting at that point a PA stage and another section of output filter for added harmonic attenuation,

as well as adjusting the output network component values for the higher power out.

Some of the parts are installed on the main board, in ugly style, and others, including the transistor and the added section of output filter, are installed on the side panel of the enclosure. Feel free to vary this installation based on your individual enclosure and connector locations.

You need 14 parts to do the mod. Here they are:

.01 uf disc or monolithic bypass capacitor - one
.1 uf disc or monolithic bypass cap - two
33 ohm resistor - one
2.7K Ohm resistor - one
12 Volt, 1 Watt Zener Diode - one
10 Ohm Resistor - One
IFR-510 Mosfet - one
TO-220 Mica insulator type mounting Kit - one
FT37-43 toroid with 5 turns # 22 (or similar gauge) - one (10 uh, roughly, RF choke)
390 pf Silver Mica, Polystyrene, Porcelain Chip, or Disc Ceramic 100Volt - one
470 pf Silver Mica, Polystyrene, Porcelain Chip, or Disc Ceramic 100 Volt - one
T37-2 Toroid with 16 turns of # 24 magnet wire - one
T37-2 Toroid with 19 turns of # 24 magnet wire - one

I did the mod "ugly" style with all leaded parts, soldering the necessary leads to the pads on the board. The IFR-510 is mounted vertically on the side panel of the rig's enclosure, about even with C-17, C-18 and R-13.

As I made my enclosure from pieces of PC Board material, and had not yet attached sides or a top, it was easy to build part of the circuit onto the new side panel. You may have to take a different approach, depending on what kind of enclosure you put the rig into.

A Mica insulator type mounting kit is used, as the Drain of the Mosfet must be insulated from ground, and Heat Sink compound is rubbed on both surfaces of the Mica Insulator before mounting the Transistor, as the side panel acts as the heat sink for the Mosfet. Mine does not seem to heat at all in this configuration.

I suggest you read all the following instructions first, while referring to the schematic, to get an understanding of the mod before proceeding with the actual work.

NOTE: If you have already done the 1 Watt Mod, start by removing the two 100 Ohm resistors and the PA transistor you used, leaving the .01 cap attached to the C-22 pad nearest to Q-3, the .1 Cap attached to the other C-22 pad, and

the FT37-43 RF choke attached to Pad 4 of T-1.

If you have not already done the 1 Watt Mod, start by removing C-22 from the board (I used two soldering irons, quick and easy). You may want to save it for your junk box, but you will need to mark the small bag or container it goes in, as a .1 cap.

L-5 must be removed from the board, as it will be replaced with the T-37-2 toroid with 19 Turns of # 24 magnet wire. Save it for your junk box, in a small container marked 1uh.

If you had already done the 1 Watt Mod and have removed the transistor and the two base resistors, skip the following two steps.

Cut both leads of the .01 cap so as to leave about 1/4", bend a 90 degree angle about 1/8" from the end of one lead, and solder that lead to the C-22 pad closest to Q-3 on the board. Leave the other lead straight for a moment. It should be positioned so as to angle up.

Cut one lead of a .1 Cap to a 1/2" length, bend a 90 degree angle about 1/8" from the end of the lead, and solder that lead to the other C-22 pad. Leave the free lead long for a moment.

Wind 19 turns of # 24 on a T-37-2 Toroid, trim the wire ends to about 3/8" length, scrape about 1/8" of the wire ends clean of insulating material, bend a 90 degree angle in each lead, even with the end of the insulation, tin the leads, and solder the leads to the pads for L-5.

Cut one lead of the 33 Ohm resistor to about 1/4", bend a 90 degree angle about 1/8" from the end,and solder that lead to ground, at the C-24 pad closest to the edge of the board.

Bend the resistor over so that you can solder it with a short lead to the .01 Cap, close to the body of the capacitor. Trim the lead to length, and solder it to the .01 cap.

Cut one lead of the other .1 cap to about 1/4", bend a U shape in that lead, hook it around the lead of the .01 cap just above where the 33 Ohm resistor attaches and solder it there. Trim any excess lead from the .01 cap at this time. Leave the free lead of the .1 cap long for a moment.

Cut one lead of the 2.7K Ohm resistor to about 1/4" length, bend a 90 degree angle in that lead about 1/8" from the end, and solder that lead to ground at the C-21 Pad closest to the edge of the board.

Bend the 2.7K Ohm resistor over so that it can be attached to the free end of the .1 cap coming from the top of the 33 Ohm resistor. Leave the free leads of the 2.7 K resistor and the .1 cap long for the moment, and do not solder

them together yet, as they will be attached to the Gate of the Mosfet.

If you had not yet done the 1 Watt Mod, wind 5 turns of # 22 magnet wire on a T37-43 toroid, trim both wire ends to about 3/4 of an inch in length, scrape about 1/8" of insulation from one wire, and about 1/4" of insulation from the other. Bend a 90 degree angle at the end of the insulation on the end that was scraped for 1/8", and solder that end to pad 4 of T-1.

This new RF choke ends up positioned just about right over Q-5, and should be turned so that the flat sides of the toroid are at 90 degrees to the flat sides of T-1, so as to minimize any possible coupling between the two.

As I had not yet made a side panel for my enclosure, and had made the base and front and rear panels from PC Board, it was a simple matter to make a side panel out of PC board material, mount the Mosfet on it using the insulated mounting kit and heat sink compound, and build the rest of the added circuit on the side panel.

If your side panel is not removable, or your top panel does not remove easily to provide access to the side panel, you may have to use an alternate approach.

I mounted the IFR-510 vertically, with the pins down, so as to provide short leads to connect with appropriate parts. If your top panel is removable but the side panel is not, you can mount the transistor with the pins up, or sideways, whichever way will give you enough room and access to mount the remaining parts and solder the necessary connections.

The IFR-510 is positioned on the side panel so that it will be about even with C-17, C-18 and R-13. The top of the tab of the transistor is about 1/32" from the top edge of the side panel, just enough to provide clearance from the top panel so it does not short out.

Once the transistor is mounted on the side panel, using the insulating mount kit and heat sink compound, bend the Source lead down to the surface of the side panel, close to the transistor, and solder it to the PC board copper foil. Bend the Drain and Gate leads so they stick out at a 90 degree angle from the surface of the side panel.

With short leads, solder the 470 pf Silver Mica capacitor between the Drain lead and the copper foil surface of the side panel, with the grounded end of the capacitor towards what will be the front of the rig.

On the other side of the transistor, with short leads, solder one lead of the 10 Ohm resistor to the copper foil surface of the side panel, solder the anode of the 12 Volt 1 Watt Zener diode to the free lead of the 10 Ohm resistor, and trim those leads.

The cathode lead of the 12 Volt Zener diode attaches to the Gate lead of the transistor. Trim any excess Zener diode lead, and solder it to the Gate lead of the Mosfet, close enough to the body of the transistor so that there is room to attach the leads from the 2.7 K Ohm resistor and .1 Cap.

Cut one lead of the 390 pf SM Cap to about 1/4", and solder that lead to the copper foil surface of the side panel, even with the tab of the transistor and about a half inch away from the tab, on the side of the transistor towards what will be the rear of the enclosure. Leave the other lead long for a moment.

Now position the side panel on the enclosure and tack solder it to the PC board front and rear panels, so as to provide a good ground connection. In my SMK, I soldered the Ground wire which is next to the antenna wire on the board, with a short lead, to the side panel copper foil also.

Position the free leads of the 2.7K resistor and the .1 cap against the Gate lead of the transistor, cut them to length, and solder them to the Gate lead.

Solder the free lead from the T37-43 RF choke to the Drain lead of the transistor.

Wind 16 turns of # 24 magnet wire on the other T37-2 toroid core. Cut the wire leads to about 3/8" and scrape about 1/8" of insulation away from the wire ends. Tin both leads.

Solder one lead of the T37-2 coil to the Drain lead of the transistor. The other lead of the coil attaches to the free lead of the 390 pf capacitor and the free lead of the .1 capacitor which goes to the C-22 pad closest to the edge of the board.

Position the three leads, cut the leads to length as necessary, and solder the three leads together.

Check visually, and with an Ohm Meter, if necessary, to be sure you have none of the "ugly" style components or leads touching the main board or other parts.

Check with the Ohm Meter from the Drain tab of the Mosfet to ground to be sure it is insulated from ground.

Check with the Ohm Meter from the copper foil surface of the side panel to ground on the circuit board to be sure the foil surface is well grounded.

And that is it. Hook up power and try it out into a wattmeter and dummy load. I get a solid 5 Watts out of mine, and you should get approximately that much as well.

With this circuit the Mosfet draws no current on receive, as checked with a Milliammeter hooked in series between the drain of the Mosfet and the RF choke.

Also, if you have another type of QRP transmitter that you want to increase the power out of, and the driver (or PA) circuitry provides 150-250 or so milliwatts, this circuit could be added, with appropriate output network value changes if it is to be used on a band other than 40 meters.

Enjoy.

Wayne NB6M

Date: Mon, 24 Jul 2000 19:24:09 -0700
From: "Mark M." <markem@primenet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [75805] Re: Ditter on 14.008
Message-ID: <3.0.6.32.20000724192409.007cada0@127.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 20:32 07/24/2000 -0500, George , W5YR wrote:
> ...
>Also, he has drifted up one Hz now from about an hour ago. Fairly stable,
>which suggests either a high-end ham transmitter or commercial/military
>gear.
>

The return of The Woodpecker??

Mark   AA7TA

Date: Mon, 24 Jul 2000 23:25:21 -0300
From: "Layton Fulton" <l.fulton@ns.sympatico.ca>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [75806] Test message.
Message-ID: <006101bff5df$961601c0$d862b18e@ve1mt>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This is a test only.

Layton Fulton VE1MT
175 Canaan Ave,
Kentville, Nova Scotia
Canada B4N 2A7
Packet: VE1MT@VE1DRG
QRP-C #166
QRP-L #1448
FISTS #4388   CC- 0571
ARS   #357

Date: Mon, 24 Jul 2000 19:21:24 -0700
From: "K7FD-N7SG" <cqdx@teleport.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [75807] OT: Tale of Two Cups
Message-ID: <007b01bff5df$08c4f1a0$60231ad8@default>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>From the 'waiter, there's a fly in my soup' dept...

My SS Cup for CW sits proudly on my shelf, next to my K2. I use it to hold pens, pencils, a few nuts, bolts, paper clips, what-have-you...a catch-all so to speak.

My other SS Cup, same color but for Phone, keeps me company filled with hot coffee, cocoa, etc. Well...

...I got busy moving stuff around this weekend. Rearranging this and that. Afterwards, I re-filled my cup and sat back to admire the changes. Looks great! But, hmmm, this coffee's a bit bitter...oh well. Good to the last sip...until I discovered pencil shavings, a few nuts, and a #4 lock washer staring back at me from the bottom. Mountain groan!!!!

73 John K7FD

Date: Mon, 24 Jul 2000 20:32:44 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [75808] All Roads Lead to Tuthill

Message-ID: <B5A2586C.1D1E%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

All - I traveled to LA from Albuquerque and back on I-40 the weekend of July 14. That trip took me through Flagstaff.

I am happy to report that there were no serious construction delays either coming or going. There was repaving project in western NM, one or two in eastern Arizonia, and one or two in western Arizonia. None that I can remember in California. These were slowdown zones to 45 MpH lasting 5 miles or so. None of them caused big delays. In Arizonia a state police car sat at each construction site (with its lights flashing) so watch your speed. Both states double speeding fines in construction zones. Caveat Speeder.

As to the I-25/I-40 "Big I" intersection in Albuquerque, during non peak hours delays are minimal resulting only from slowing down to 45 MpH. During peak hours (about 0730 to 0830, and 16430 to 1730) expect a 10 to 15 minute delay at worse. The intersection is closed from 2130 to 0530 each night and the detour will add about 20-30 minutes to your commute at those times.

The "Big I" is the biggest traffic jam area in Albuquerque and they have decided to do something about it. This is a joke to those of us who have traveled LA freeways during rush hours. There is no comparision to the Southern California traffic choke points of the South Bay Curve, East LA interchange, I-405/I-10 intersection, the El-Toro Y, Sepulveda Pass and I-5/I-805 intersection. Oh well.

See you at Tuthill! - Dr. Megacycle
--
James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Mon, 24 Jul 2000 21:30:40 cdt
From: wj5o@juno.com
To: QRP-L@LEHIGH.EDU
Subject: [75809] 14.008MHz
Message-ID: <20000724.213041.-197429.0.wj5o@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Uh Oh! I had the date wrong on the observation at 00:20Z Should have
been 25 July 00
The signal is still there at about the same signal strength S-9 & 295
degrees from Corpus Christi, TX at 02:30Z 25 July 00

73 Bill WJ5O

Date: Mon, 24 Jul 2000 21:46:08 -0500
From: "Kelly Ellison" <kelman@dialnet.net>
To: <qrp-l@Lehigh.EDU>
Subject: [75810] QRPers in Altus OK area?
Message-ID: <010601bff5e2$7df3b1c0$a5c9e0d8@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi,

I will be in Altus all day Wednesday, and Thursday AM. Anyone around for
Coffee early Thursday morning?

Thanks,

Kelly Ellison - WB0WQS

Date: Mon, 24 Jul 2000 23:48:21 -0300
From: "Layton Fulton" <l.fulton@ns.sympatico.ca>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [75811] 14.008
Message-ID: <009901bff5e2$cc7077c0$d862b18e@ve1mt>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Using tribander at 50 ft. and best signal is at 300 deg. from N. S. (WNW).

Layton Fulton VE1MT
175 Canaan Ave,
Kentville, Nova Scotia

Canada B4N 2A7
Packet: VE1MT@VE1DRG
QRP-C #166
QRP-L #1448
FISTS #4388   CC- 0571
ARS   #357

Date: Mon, 24 Jul 2000 20:49:46 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [75812] Wire Sprint (SpWirent?)
Message-ID: <B5A25C6A.1D20%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

I am looking forward to participating in Alan's wire sprint September 21. I participated (and won) the 1998 NERDS forerunner to this contest. It was one of the most fun contests that I have participated it.

With the modified rules I will need to rethink my strategy. It appears that the antenna can be built, but not erected prior to the contest.

The bonus points for using no tuner certainly points one to use a resonant antenna. Maybe parallel dipoles. I used a 135 ft end fed long wire last time with a tuner so I would have lost the bonus points. I will also operate from the field on batteries for more bonus points.

If I use parallel dipoles, one for 40 M and one for 20M that will consume about 100 ft of wire. A choke balun made from 10 ft of the coax will consume another 20 ft of my 200 ft allocation. 40 ft of coax will allow me to put the antenna up 20 feet with about 20 feet to the rig. Maybe I should get a taller mast. My current one is only 20 feet high.

The contest will be ideal for my OHR Classic 20/40 meter rig operated on batteries charged with a solar cell. I may even crank the power down to get those extra QRPp bonus points.

I like the idea of having the contest around sunset (it will run from 4 to 8 PM here). That will make working 40 M more productive than having the contest in the middle of the day. Although taking down the antennas in the dark doesn't sound like much fun. Need to add a flashlight to the check list.

I hope that you can all participate in this contest. Making your own antenna

and erecting it at 40 ft or less is a big equalizer. It seperates operating capability from station quality. Everybody competes at more or less an even keel. See you on September 21! - KK6MC

--
James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Mon, 24 Jul 2000 20:18:23 -0700
From: Russ Dow <n7dw@garlic.com>
To: cqdx@teleport.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75813] Re: OT: Tale of Two Cups
Message-ID: <397D06FF.ACECD9F8@garlic.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yecchh!! And the pun is worse. Somebody, please shoot him!!

73,
Russ N7DW

K7FD-N7SG wrote:
>
> >From the 'waiter, there's a fly in my soup' dept...
>
> My SS Cup for CW sits proudly on my shelf, next to my K2. I use it to hold
> pens, pencils, a few nuts, bolts, paper clips, what-have-you...a catch-all
> so to speak.
>
> My other SS Cup, same color but for Phone, keeps me company filled with hot
> coffee, cocoa, etc. Well...
>
> ...I got busy moving stuff around this weekend. Rearranging this and that.
> Afterwards, I re-filled my cup and sat back to admire the changes. Looks
> great! But, hmmm, this coffee's a bit bitter...oh well. Good to the last
> sip...until I discovered pencil shavings, a few nuts, and a #4 lock washer
> staring back at me from the bottom. Mountain groan!!!!
>
> 73 John K7FD

Date: Mon, 24 Jul 2000 23:51:55 -0400
From: Paul Stroud <aa4xx@ipass.net>
To: QRP-L <QRP-L@lehigh.edu>
Cc: Randy Hargenrader WJ4P <randyh@harksystems.com>
Subject: [75814] Island Bumblebee Expedition
Message-ID: <397D0EDB.F711779D@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,

This coming Sunday, a Father-and-son group of four will be kayaking out to a small island on the NC Outer Banks to operate the ARS Bumblebee Contest.
The particular island we have selected does not have a name, so we will christen it "Isla Bonita."

It will take us about 1-1/2 hours to paddle to the island. The route winds through a lovely estuary which is well-removed from the Atlantic Ocean. Along the way there will be many varieties of birds and, if we're lucky, maybe a band of dolphins.

We will be concentrating on 20, 15, and 10M running half wave verticals on the beach with WJ4P's K2. Is this a great hobby, or what???

Please listen for AA4XX/BB from Isla Bonita.

Best wishes, --Randy (WJ4P) and Paul (AA4XX)

Date: Mon, 24 Jul 2000 20:49:54 -0700
From: Radman <radman@best.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [75815] FS: Update - watts sold...
Message-ID: <01BFF5B1.3B7E1B40@radman.vip.best.com>

Gang,

Quick update... all of the following are SOLD:

NC-20 kit
LDG QRP-atu
Rainbow Tuner kit
RS Freq Counter

MFJ pwr/swr meter

Watts left? The Ramsey Keyer - CW-700 with interesting iambic touch paddles
& memory expansion kit. Built, works fine. Tons of memory. With
documentation. Shipped to you for $39.

73,

Conrad Weiss - NN6CW

Date: Mon, 24 Jul 2000 20:57:07 -0700
From: John Kuklewicz N7ZN <kukl@cybrquest.com>
To: dlh1009@ritvax.isc.rit.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75816] Re: varactors & black magic
Message-ID: <397D1013.7D5106A5@cybrquest.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Furthermore, this connection linearizes the C/V
curve. Varactor capacitance vs voltage is
strongly nonlinear. Hooking them up back-to-back
greatly extends the (more or less linear) usable
operating range of the VCO. (Right out of the
manufacturer's app notes.)

I have used this trick in designing VCOs for PLLs.

John N7ZN

David Hinerman wrote:
>
> Folks,
>
> I've noticed a lot of designs that use a pair of varactors
> cathode-to-cathode, with the control voltage applied to the junction, in VFO
> circuits.
>
> Is there an advantage to using two varactors that way, instead of a single
> varactor and a blocking cap?
>
> Dave
>

> P.S. I'm not cheap, I'm frugal! Just ask my wife. On second thought... never
> mind. D.
>
> ----------------------------
> David Hinerman WD8CIV
> Ontario, NY Grid FN13IF
> dlh1009@rit.edu

Date: Mon, 24 Jul 2000 22:58:49 -0500
From: Dave Redfearn <n4elm@home.com>
To: ten-tec@contesting.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75817] WTB: front panel for Argosy I
Message-ID: <397D1079.BA7234DF@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Still looking for a front panel for a Argosy I.
Does not need to be mint, just serviceable.
Some scratches or dings OK.

73 - Dave
==
Dave Redfearn, ARS N4ELM, McKinney, TX
Email: n4elm@NOJUNKhome.com (to reply, remove NOJUNK)
QRL? de N4ELM/qrp

Date: Tue, 25 Jul 2000 00:54:50 -0400
From: Pete Burbank <plburbank@kih.net>
To: <qrp-l@lehigh.EDU>
Subject: [75818] Re: HB: filter caps & decoupling & wattmeters
Message-ID: <3.0.32.20000725005447.008ef3c0@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 04:24 PM 7/24/00 -0700, you wrote:
>>#2 I can't find any good info on
>>designing decoupling circuits for
>>high-gain audio amps. It has to
>>be in those books somewhere!
>
>Harry:

Harry and Gangue.
A classic work on circuit behavior is Henry (himself) Ott's
book called "Noise Reduction Techniques In Electronics".
He worked for Bell Labs For many years and has branched out into
EMC consulting. I had the pleasure of attending one of his
courses a few years ago and his ideas branch out to most
applications. The book contains practical descriptions so
is readable by mathno phobics like myself. I think the book
is in a 2nd edition so many should be available. A must read...
73 to all
Pete NV4V

Date: Tue, 25 Jul 2000 00:53:49 -0500
From: "Maddog 'n' Miracles" <maddog@io.com>
To: AQRP@egroups.com, qrp-l@Lehigh.edu
Subject: [75819] Freq-Mite Applications
Message-ID: <4.3.2.7.1.20000725004734.00c31d50@mail.io.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hey all!

For those of you who are wondering what's involved in using the Small
Wonders Labs' Freq-Mite CW frequency annunciator, I've compiled a web page
with pictures of three applications I've used it in.

Hope you find it useful!

http://www.io.com/~maddog/hamradio/

(By the way, the pocket-frequency-counter version shown there will serve as
one of the door prizes at the Austin, TX Summerfest's annual QRP dinner
this friday)

72,
monty N5FC


```
**********************************************************              \/
*  Monty Northrup (N5FC) *  "There is no way to peace:  *     \       (**)
*  Carolyn Blankenship   *   peace IS the way."         *     /^^^^^^^) ~
*  maddog@io.com         *  http://www.io.com/~maddog/  *    /^/^/^/^/\
**********************************************************
```

Date: Tue, 25 Jul 2000 10:13:55 +0300
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: k4ahk@ix.netcom.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75820] Re: Power Strip Ideas
Message-ID: <397D3E33.3D45@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

William K. Harding wrote:
>
> The Amateur Radio Emergency Service (ARES) has long recommended two-pin
> Molex style power connectors so that, in an emergency, everyones portable
> equipment and power sources will be compatible. The site below details the
> use of these connectors and gives both Molex and Radio Shack part numbers.
>
> http://www.aresva.org/library/molex_plugs.html

The MOLEX part numbers given in the WWW-page above aren't recognized by
the Molex P/N search (http://www.molex.com/), so is this perhaps a type
of connector that has been discontinued by Molex?

I would be interested to find the 4-way model, as that may be the
connector used on a Microset DC-power supply I have (PT114A). I've
looked in printed catalogues and on the Molex site for a look-alike, but
nothing found.

The 2-way models seem to be available locally from model-building shops
(boats and airplanes etc.). I haven't looked for the 4-way models there,
yet.

73
--
Arjen Raateland
oh2zaz

Finnish Environment Institute
SAS Support
phone +358 9 4030 0350

Date: Tue, 25 Jul 2000 10:20:28 +0300
From: "EA5XQ (Juan A. Bertolin)" <ea5xq@qsl.net>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [75821] Indoor Antennas

Message-ID: <397D3FBC.31267876@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi to everybody,

I am looking for any experience with indoor antennas (and mainly with
QRP).

Any comment or suggestion will be welcomed.

73sJuan

--
==
EA5XQ, QRA:Juan, QTH:Almazora, LOC:IM99XW
QRO: FT901DM
QRP: HOWES (80m,40m,30m,20m) TX2000-DXR20 5w
ANTENNAS: MFJ1796, V inverted for 40,80m, Magnetic Loop, DCTL
G-QRP #9805 QRP-L #1461

Visit my Web Site: http://www.qsl.net/ea5xq (english version in
http://www.qsl.net/ea5xq/Indexeng.html)

When I picture a perfect reader, I always picture a
monster of courage and curiosity, also something
supple, cunning, cautious, a born adventurer and
discoverer...
-- Friedreich Nietzsche--
==

Date: Tue, 25 Jul 2000 04:35:18 EDT
From: AdamN7YA@aol.com
To: qrp-l@lehigh.edu
Subject: [75822] WoodDitter on 14.008
Message-ID: <76.1753c23.26aeab46@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 7/24/2000 7:25:23 PM Pacific Daylight Time,
markem@primenet.com writes:

<< The return of The Woodpecker?? >>

AAAAAHHHHH!!! Noooooo!!! that blasted abomination ruined more than a few good qso's for me!! at least this guy is staying on one basic freq....im sure Jim, AL7FS can recollect, we used to hear woody on TV every so often, the AM and FM BC bands got it too! Alaska was NOT the place to be if you didnt want to hear woody...i swore they aimed right at us! I even heard it on the car radio.
  Recently ive been hearing something that has the same type of sound every so often, though not nearly as devastating...there must be some low level OTH radar being used somewhere.
  Maybe ditter is a cost effective version?? just an idea.

73...Adam, N7YA
QRP-L 1608, SOC 143
Flying Pig #86
DXer...cant help it!
CW Spoken Here . .

Date: Tue, 25 Jul 2000 08:46:46 -0300
From: "Layton Fulton" <l.fulton@ns.sympatico.ca>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [75823] 14.008
Message-ID: <000701bff62e$0379b6a0$3939b18e@ve1mt>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ditter gone? No sign of him here in N. S. this morning. (8:45 a.m.). Maybe no propagation!

Layton Fulton VE1MT
175 Canaan Ave,
Kentville, Nova Scotia
Canada B4N 2A7
Packet: VE1MT@VE1DRG
QRP-C #166
QRP-L #1448
FISTS #4388   CC- 0571
ARS   #357

Date: Tue, 25 Jul 2000 09:10:23 EDT
From: W1RO@aol.com
To: l.fulton@ns.sympatico.ca, qrp-l@lehigh.edu
Subject: [75824] Re: 14.008
Message-ID: <61.5aed4ee.26aeebbf@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Nothing heard in Vegas on any antenna. Maybe it was Alpha testing another amplifier. hehehe
Jim
W1RO/7
Lost in Vegas
QRP-L #2208

Date: Tue, 25 Jul 2000 09:35:03 EDT
From: "John Pate" <lighthousedx@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [75825] Vectronics Kits
Message-ID: <20000725133503.72401.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Has anyone built or heard anything (Bad or Good) about the Vectronics 13XX Transceiver kits? Any comments greatly appreciated. Tnx, John

----

Date: Tue, 25 Jul 2000 09:56:27 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [75826] Re: 14.008
Message-ID: <397D9C8B.1143@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This mornings mail brought antoher 8 postings about this signal. I have been watching this subject for the last week or so and find the 'ditter' is more popular than any other single QRP topic. Why?

You can't triangulate very well at HF with the limited antenna resources

we have. Reports seem to show he is somewhere between San Diego and Alaska or, maybe west, all the way around to the east coast!

The frequency is roughly 14.008 mHz. The QRP congregating frequency is 14.060 mHz. Does this interest in 14.008 mean you have all suddenly wised up and discovered there are more frequencies in the bands than your precious QRP calling frequencies? How many of you are actually being QRMed by him?

I remember the Woodpecker. I was in Europe at the height of his operations. It really didn't cause that much QRM. We are hams, supposed to be able to communicate in spite of what appears on the bands.

What gives? I thought our list moderator was supposed to curtail meaning off topic postings like this one. Am I wrong?

73

Date: Tue, 25 Jul 2000 08:54:33 -0500
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'kc8aon@juno.com'" <kc8aon@juno.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75827] RE: Broadband antennas with resistors
Message-ID: <4734702CFA3CD411A74A00805F57A3B703E3F365@dfwex01.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"

The "center insulator" is a proprietary "balun" (transformer). More importantly, however, the glob of stuff
opposite the feedpoint. THAT encapsulation contains a resistor, on the order of 800-900 ohms.

Karl K - W8TIF
McKinney, Texas

-----Original Message-----
From: Rick McKee [SMTP:kc8aon@juno.com]
Sent: Monday, July 24, 2000 5:07 PM
To: Low Power Amateur Radio Discussion
Subject: Broadband antennas with resistors

B&W markets a 90' long folded dipole that supposedly covers 1.8 to 30 mhz, wonder what it has in it's center insulator ? Supposedly used by

military and embassies around the world ! Anyone ever used one or taken
one apart to see what makes it tick ? I bet I know !

73...Rick McKee KC8AON   { CW lives as long as I do ! }
Willow Wood,Ohio   "oo's"
AR QRP # 269   QRP-L # 2112   ZOMBIE # 718   FPqrp # 33
TriState BrassPounders # 1

Date: Tue, 25 Jul 2000 10:08:32 EDT
From: Shephed@aol.com
To: <qrp-l@lehigh.edu>
Subject: [75828] Re: 14.008
Message-ID: <200007251407.KAA146664@nss4.cc.lehigh.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

In a message dated Tue, 25 Jul 2000 9:57:23 AM Eastern Daylight Time, Bruce
Muscolino spewed:

<< This mornings mail brought antoher 8 postings about this signal. I have
been watching this subject for the last week or so and find the 'ditter'
is more popular than any other single QRP topic. yadda yadda...>>

It's popular because it's interesting, and a mystery.

What's the matter Bruce, you sound as if your in a bad mood this morning, are you
OK, can we help you in anyway?

72, 73, oo
Dan, N8IE

Date: Tue, 25 Jul 2000 10:14:44 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: ea5xq@qsl.net

Cc: qrp-l@lehigh.edu
Subject: [75829] Re: Indoor Antennas
Message-ID: <397DA0D4.122@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Juan,

I have quite a bit of experience with indoor antennas, both QRP and QRO. Let me say one thing about them. If they will work WELL at QRO levels they will work WELL at QRP levels, and vice versa.

The principle problem with indoor antennas is shielding. Any antenna will work better if you can get even a part of it outside. I know this can be a problem, especially with modern housing. But I say try first, and resort to an indoor antenna last.

Also, try to respect the basic rules of antenna design, whether you put it up inside or outside. That is try to stay away from super special antennas. They are mostly hype anyway. Stick to the old tried and proven antenna designs. Wait until you have some experience before you try something new!

I have built a couple of very successful indoor dipoles. They were helically wound. Helical winding is a term for an antenna whole length is compressed by winding the elements on a small diameter rod. A Hamstick is an example of this type antenna at HF. In fact you could put two Hamstick antennas back to back and form a Dipole.

I built my first when I was living in an apartment in California. I used this both QRO and QRP. it was fairly successful considering that it was built for 40 meters and made to also work on 15. I worked about 45 states with it!

Later, while living in Europe I built one for 20 meters. This one consisted of two CB style whipe joined by a hand wound center section. It was also very effective. I used this one in the attic of my house in the Netherlands, QRP! I worked all continents in a two week period in 1981 using this antenna and a Kenwood TS130V.

My attic had very little metal insulation in it. As a result it was pretty transparent to RF. Your mileage may vary!

Rremember also, an antenna is an environmental device. It lives in the environment you give it and has to interact with that environment. The better environment you can provide the better it will work!

73

Date: Tue, 25 Jul 2000 10:31:03 -0400
From: Richard Powell <ripowell@mpna.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75830] RE: 14.008
Message-ID: <01BFF623.6FDA50D0.ripowell@mpna.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I myself am concerned about it because what if it is a fellow amateur who,
while preparing for an evening of operation, had a heart attack and died at
the key!?!
this is a REAL CONCERN, and if anything that passes by this list in any way
helps locate a possible fallen friend,,, then let it go!!!

72 & oo's
/rick
-
Richard Powell, WB6JBM, TENTEN 13044, QRP-L 1118,
FPQRP-2, QRP-ARCI 10414
Senior Network Engineer, Belcan IT Division
MCSE, CNA.
ripowell@mpna.com   http://www.mpna.com/ripowell

On Tuesday, July 25, 2000 9:56 AM, Bruce Muscolino [SMTP:w6toy@erols.com]
wrote:
> This mornings mail brought antoher 8 postings about this signal. I have
> been watching this subject for the last week or so and find the 'ditter'
> is more popular than any other single QRP topic. Why?
>
> You can't triangulate very well at HF with the limited antenna resources
> we have. Reports seem to show he is somewhere between San Diego and
> Alaska or, maybe west, all the way around to the east coast!
>
> The frequency is roughly 14.008 mHz. The QRP congregating frequency is
> 14.060 mHz. Does this interest in 14.008 mean you have all suddenly
> wised up and discovered there are more frequencies in the bands than
> your precious QRP calling frequencies? How many of you are actually
> being QRMed by him?
>
> I remember the Woodpecker. I was in Europe at the height of his
> operations. It really didn't cause that much QRM. We are hams,

> supposed to be able to communicate in spite of what appears on the
> bands.
>
> What gives? I thought our list moderator was supposed to curtail
> meaning off topic postings like this one. Am I wrong?
>
> 73

Date: Tue, 25 Jul 2000 10:42:25 EDT
From: Shephed@aol.com
To: <qrp-l@lehigh.edu>
Subject: [75831] RE: 14.008
Message-ID: <200007251441.KAA36148@nss4.cc.lehigh.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

You know, it could be he just has a stuttering problem and needs our help too.

Is Mel Tillus a Ham?

Dan

In a message dated Tue, 25 Jul 2000 10:31:35 AM Eastern Daylight Time, Richard
Powell <ripowell@mpna.com> writes:

<< I myself am concerned about it because what if it is a fellow amateur who,
while preparing for an evening of operation, had a heart attack and died at
the key!?!
this is a REAL CONCERN, and if anything that passes by this list in any way
helps locate a possible fallen friend,,, then let it go!!!

72 & oo's
/rick
-

Date: Tue, 25 Jul 2000 10:43:35 -0400
From: Ken Newman <N2CQ@citnet.com>
To: epaqrp-l@lehigh.edu, QRP-L@lehigh.edu, njqrp@njqrp.org
Subject: [75832] Announcing The New Jersey QSO Party QRP Competition
Message-ID: <3.0.6.32.20000725104335.007deda0@mail.citnet.com>
Mime-Version: 1.0

Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

=20
New Jersey QSO Party=20

QRP Competition=20
Aug 19-21
=20

The New Jersey QRP Club has arranged and is encouraging participation in a QRP Competition being held as part of the New Jersey QSO Party on the weekend of August 19-21.=20

QRP operators wishing to compete should send logs to the Englewood ARA sponsor
of the NJQP (below). You will be competing with all other stations.

Also send the summary of your log to NJQRP for your entry against fellow QRP stations. You may add 100 points to your score for each QSO with the NJQRP Club Station: WQ2RP. (This is for the QRP Competition only). E-mail summary is accepted.=20

Awards will be issued!=20

Send To:=20

NJ QRP Club - WQ2RP
81 Holly Drive
Woodbury, NJ 08096
=85 or e-mail to: N2CQ@Citnet.com=20

=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=
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RULES: New Jersey QSO Party=20

Sponsor: Englewood ARA=20

Time: 2000Z Aug 19 to 0700Z Aug 20 and
           1300Z Aug 20 to 0200Z Aug 21=20

Modes: Phone and CW. CW contacts may not be made in phone band
segments. =20

Suggested frequencies:
1810, 3535, 3950, 7035, 7135, 7235, 14035, 14285, 21100, 21355, 28100,=

 28400,
50-50.5, and 144-146.

Exchange:
RST, QSO Number, and QTH (State/province or country). New Jersey stations will send county for their QTH.

New Jersey Counties:
Atlantic, Bergen, Burlington, Camden, Cape May, Cumberland, Gloucester, Hudson, Hunterdon, Mercer, Middlesex, Monmouth, Ocean, Passaic, Salem, Somerset, Sussex, Union.

Scoring: 3 pts/QSO
Out-of-state stations, QSO pts =D7 NJ counties worked
NJ stations, QSO pts =D7 states (but not NJ)/provinces/NJ counties (max, 40+12+21 =3D 82)=20

Logging: Logs must show UTC date and time, call sign, exchange, band and claimed multiplier=20

Awards: Logs and comments (incl. SASE for results) must be received no later than=20
Sep 16 at: Englewood ARA, PO Box 528, Englewood, NJ 07631-0528 =20

=20

 =20

=20
                    =20
 72 de   =20
 Ken Newman - N2CQ   =3D=3D   QRP CONTEST CALENDAR =3D=3D   =20
 Woodbury, NJ   http://www.njqrp.org/data/contesting.html
 N2CQ@ARRL.NET   =20
                 =20
       =20

Date: Tue, 25 Jul 2000 10:25:39 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [75833] Gud DX on 40
Message-ID: <200007251502.LAA13259@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Last night I was playing with the SMT rig I built last winter - the one with all the no-see-um MMIC's in it, and happend to tune threw the low end of the 40M band. I hear a SP9 calling CQ a few times with no takers, so I say "what the heck?" and give him a call. Comes right back to my 2.5 watts with a 559 report! Almost fell out of my chair :-) This is about 01:30 UTC for those that keep track.. Both of us were using G5RV antennas..

Then, about an hour later, I hear a OM3 calling CQ, so give him a shot....comes right back again with another 559 report. Pretty darn good night for DX on 40 with 2.5 watts and a G5RV shorttie, I'd have to say..

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Tue, 25 Jul 2000 11:13:41 -0400
From: Ron Majewski <majewski@erim-int.com>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [75834] FOX: W8RU Preliminary Log & Comments (long)
Message-ID: <397DAEA5.8B9E5CF0@erim-int.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi All-

What a blast!

Whether I'm the Fox or one of the Hounds, I just love the thrill of these QRP hunts!

I had everthing ready to go well in advance of 20:00 utc. I even made up Sunday dinner on Friday night so as to be righteous with my XYL. :) I planned to use the TR software for logging.

I slid down below 14.060 because I could hear some activity there. Doc, K0EVZ, was the first and only caller I heard after my CQ. He wasn't loud but was Q5 and he grabbed the first pelt. The packed showed up after Doc and I finished. Glen, VE9GM, was next with a nice loud signal that was easy to copy; I was off and running. My computer locked up at QSO #6 when I tried to reply to Ken, N4SO. Just like your favorite Star Trek episode, I had to switch to "manual override." I frantically grabbed a pen and started scribbling in the old reliable note book. I

half expected the pen to run out of ink but thankfully that didn't happen. I did the rest of the event by hand so as to not waste any time trying to reboot the system.

Band conditions seemed to drop off around 20:50utc. The noise level came up and all the signals disappeared. After my QSO with W1II at 20:55 I had to wait 17 minutes for the next caller, NN5B. Jerry was pretty strong so I don't know what was up with the band. I made 47 contacts in the first hour and only 8 in the second. Such is the sport of Fox hunting.

I had to QSY three times in the second hour owing to activity popping up out of the noise. On the last QSY, I mistakenly thought NW7DX was calling someone else, not me (sorry Ben!). He followed me up the band and we made the QSO.

Now for the requisite statistics:
55 QSOs, 17 states, 4 Provinces, no intercontinental DX, tons of fun!

The preliminary log is attached below. Please get me any corrections and I'll finish this up by Wednesday. My first post of this log on Wednesday seems to have been lost.

Thanks to all the Hounds for an enjoyable hunt. I'm up again this Thursday night so you'll all get another chance under different band conditions. I'm going to try to put up a low dipole to see how that plays on closer-in stations.

72/3,

Ron (W8RU).

==========

QRP-L Summer Fox Hunt
23 July 2000
W8RU
Exchange Sent: {RST} MI Ron 188

QSO#	UTC	Call	RST Sent	RST Rcvd	SPC	Name	QRP-L #
1	2001	K0EVZ	559	579	ND	Doc	861
2	2002	VE9GM	559	559	NB	Glen	5W
3	2002	NQ7X	559	559	AZ	Floyd	343
4	2003	W5YR	559	559	TX	Geo	1373
5	2005	N5ZE	559	559	TX	Lew	2178

6	2005	N4SO	559	599	AL	Ken	622	
7	2006	K5JHP	559	559	TX	Bill	825	
8	2006	AF5Z	559	579	TX	Bob	984	
9	2007	AJ4AY	559	579	AL	Jay	1372	
10	2008	N6MM	559	569	CA	Harvey	5w	
11	2009	N1FN	559	559	CO	ET	153	
12	2010	W0CH	559	599	MO	Dale	618	
13	2010	K5DW	559	559	TX	Don	2083	
14	2011	KM5VY	559	339	NM	Tom	1592	
15	2012	K8CV	559	559	MI	Walt	935	
16	2013	K7TQ	559	579	ID	Randy	102	
17	2014	N5TW	559	559	TX	Tom	1474	
18	2015	WJ1R	559	559	CO	Larry	2137	
19	2016	VE7SL	559	589	BC	Steve	769	
20	2017	VA6RF	559	559	AB	Earl	1076	
21	2017	NK7M	559	579	AZ	Bob	271	
22	2018	N5IB	559	559	LA	Jim	1913	
23	2019	AA5UN	559	599	TX	Marty	5w	
24	2020	NM5M	559	579	TX	Eric	1824	
25	2021	K9IUA/M	559	559	ND	Kevin	384	
26	2022	VE5VA	559	559	SK	Pete	46	
27	2023	K5OI	559	559	NM	Tim	73	
28	2024	AE9F	559	559	CA	Dan	5w	
29	2025	K5DI	559	579	NM	Karl	2195	
30	2026	KK6MC/5	559	579	NM	Jim	411	
31	2027	K6VNX	559	559	CA	Arlen	5w	
32	2028	WA7SPY	559	559	CA	Glen	2214	
33	2029	N5IW	559	559	TX	Dave	1718	
34	2030	AJ4Y	559	559	FL	Paul	1795	
35	2031	W2XN	559	559	FL	Fred	1728	
36	2033	AF4PS	599	599	FL	Mac	704	
37	2034	N1TP	559	559	FL	Tom	1317	
INV	2035	N0RC	599	559	CO	Rod	1764	(QRP++)
38	2036	AG0T	559	559	ND	Todd	2211	
39	2048	W7QQQ	559	559	AZ	Jack	1210	
DUPE	2040	WA7SPY	559	559	CA	Glenn	2214	
40	2041	N6WG	559	559	CA	Bob	26	
41	2042	N0UR	559	559	MN	Jim	799	
42	2043	VE3ZBU/K5	559	569	NM	Irek	2w	
43	2044	W4NJK	559	559	CA	Charles	2075	
44	2046	K7QO	559	599	AZ	Chuck	1	
45	2047	N0RC	559	559	CO	Rod	764	
46	2050	WD5CMA	559	559	LA	Gloria	5w	
47	2055	W1II	559	559	ME	John	4w	
48	2112	NN5B	559	599	TX	Jerry	2164	
49	2113	K1MG	559	579	CA	Mike	614	
50	2122	W5YW	559	559	LA	Mike	5w	
51	2131	W0AV	559	559	MO	George	1866	

52 2137 K5AAR 599 559 OK Don 1512
53 2153 NK6A 559 559 CA Don 1517
54 2156 NW7DX 339 339 WA Ben 1892
55 2158 KB1ENS 559 559 VT John 2150

Date: Tue, 25 Jul 2000 09:12:34 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>
Cc: Low Power Group <qrp-l@LeHigh.EDU>
Subject: [75835] Re: 14.008
Message-ID: <Pine.LNX.3.95.1000725091143.15555A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Good one OM!....HI HI HI.....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

On Mon, 24 Jul 2000, baltimoremd@baltimoremd.com wrote:

> On Mon, 24 Jul 2000, Bruce Rattray wrote:
>
> > "QRP! How sweet it is!" "I am da man wit "DAH" paddle!"
> In Search of the da man wit
> Dah "DIT" paddle
>

Date: Tue, 25 Jul 2000 11:17:03 -0400
From: Jimbob <kw3u@warwick.net>
To: low pwr qrp <qrp-l@lehigh.edu>
Subject: [75836] tnx dx-160 help
Message-ID: <397DAF6F.1CCF606C@warwick.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The subject says it all.
Many tnx to all for comments on getting my fleamarket special
up and running. works really great(a tad of drift, but hey).
all suspect components were fine, but kept eyeballing that rotary
bandswitch and remembering the old TS-130 with all kinds of

intermittant problems which I cured with a good hosing down with
contact cleaner. Could I get lucky again? sprayed liberally and rocked
the switch back and forth es let dry awhile. plugged in, pwr up and
yippee it came to life and will now be in servitude next to some 40/80
qrp xmtrs. Again tnx to all for the help..   Jim kw3u

Date: Tue, 25 Jul 2000 10:16:51 -0500
From: "Manager QRP-L" <manager@astro.cc.lehigh.edu>
To: <w6toy@erols.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [75837] Re: 14.008
Message-ID: <01c101bff64b$83dc5ba0$0200000a@mcg.net>

----- Original Message -----
From: "Bruce Muscolino" <w6toy@erols.com>

| What gives? I thought our list moderator was supposed to curtail
| meaning off topic postings like this one. Am I wrong?

Hello Bruce and all,

Your list manager is here and has been monitoring this thread and considered
it on topic. I felt the thread had value to QRP-L for all the reasons Bruce
mentioned. It was radio related, interesting to a large segment, and a great
exercise in receiving and reality. Especially the beam headings which failed
to indicate even a statewide location. Most interesting was the signal
reports which varied with no sense of correlation. What could you expect?
Different antennas at different heights, uncalibrated S meters, changing skip
conditions, and much varied terrain. All this adds up to one conclusion.
Direction finding on HF isn't easy and you're not going to be able to do it
with a bunch of average QRP stations. Failure is often the best teacher.

But now the signal is gone and so this thread should die. As for future
similar threads, perhaps it wouldn't be a good idea as the lesson as already
been learned.

73 de Cla KA0GKC Manager QRP-L

Date: Tue, 25 Jul 2000 11:21:51 -0400
From: "steve" <sblary@bellsouth.net>

To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [75838] RE: tnx dx-160 help
Message-ID: <000601bff64c$0f853a00$7464a8c0@AREA51>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="us-ascii"
Content-Transfer-Encoding: 7bit

> intermittant problems which I cured with a good hosing down with
> contact cleaner. Could I get lucky again? sprayed liberally

ahhh, contact cleaner the stuff miricles is made of! <G>

73's
Steve, kd4liv

Date: Tue, 25 Jul 2000 09:05:29 -0700 (PDT)
From: Quinn Farnes <quinn_farnes@yahoo.com>
To: qrp-L@lehigh.edu
Subject: [75839] Broadband Antenna
Message-ID: <20000725160529.23505.qmail@web4102.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Speaking about broadband antennas and fishing boats, out
here on the Left coast, a common HF antenna used on
commercial fishercraft is frequently referred to as "cat's
whiskers," consisting of eight (very) rigid elements,
grouped four on each side of the center feed point, and
angled upward appx. 30 degrees from the horizontal. Does
anyone know anything about this antenna, who makes it, and
how it works? Is it just a ruggedized fan dipole? Reports
I heard had it that it worked well on HF marine
frequencies.

Quinn, WB6TDC
Laguna Beach, CA

=====
end

Date: Tue, 25 Jul 2000 11:06:22 -0500
From: Lew Paceley <lew@paceley.com>
To: kd1jv@moose.ncia.net, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75840] Re: Gud DX on 40...and 30M too
Message-ID: <007101bff652$46db6dc0$0332a8c0@roland.swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Hi Steve,
I've never worked Europe on 40M QRP so congratulations!

Band conditions on 30M (where I spend a lot of time with my new OHR100A)
have been quite favorable for QRP DX as well. FO0CLA, 9H1ZA (Malta), and
VP2EREM have recently made the log with my OHR100A at 5W into a half-size
G5RV at 25'. I guess I'm equally amazed whenever the DX station comes back
to me...somehow it always seems to be a surprise, almost like my
subconscious thinks it shouldn't be possible. But it is!

BTW, I never had a 30M rig before the OHR100A and I've really come to enjoy
30M. It's like a small town where everyone speaks CW :-)

72/73,
Lew
N5ZE

>...I hear a SP9 calling CQ a few times with
> no takers, so I say "what the heck?" and give him a call. Comes right
> back to my 2.5 watts with a 559 report! Almost fell out of my chair
> :-) This is about 01:30 UTC for those that keep track.. Both of us
> were using G5RV antennas..
>
> Then, about an hour later, I hear a OM3 calling CQ, so give him a
> shot....comes right back again with another 559 report. Pretty darn
> good night for DX on 40 with 2.5 watts and a G5RV shorttie, I'd have
> to say..
>
> 72,
> Steve, KD1JV in the white Mountains of New Hampshire
> "melt solder"

Date: Tue, 25 Jul 2000 12:56:03 -0400 (EDT)
From: Joel Malman <malman@world.std.com>

To: qrp-l@Lehigh.EDU
Cc: neqrp@jonal.net
Subject: [75841] [CLUB] NEQRP Club chat
Message-ID: <200007251656.MAA09523@world.std.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Folks,

This Thursday night at 9pm ET (0100z 7/28/00) the New England QRP
Club will have its weekly chat. This week we will meet on 40m on
7041 +/-. NCS will be Dennis, K1LGQ from Brookline NH. All hams
are welcome to stop by, check-in and say a few words.

--
/joel K1QM (k1 queen mary), Concord, MA.
QRP-L #337, QRP-ARCI #9305, MI-QRP #1641

Date: Tue, 25 Jul 2000 13:12:29 -0400
From: neil tanner <ntan@crosslink.net>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [75842] gloucester qrp club
Message-ID: <397DCA7D.3B43D918@crosslink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings-
Please visit the updated webpage for the Gloucester Area Qrp and
Homebrewers Club.
http://pages.hotbot.com/photo/wa4chq/G_QRP.html
Thanks es 72-----Neil wa4chq

Date: Tue, 25 Jul 2000 10:16:30 -0700
From: "Steve McDonald" <jsm@gulfislands.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [75843] Looking for Tuna Tin II Sked...W6/W7..??
Message-ID: <002501bff65c$15aac340$5c11f4cc@jsm>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone up for a 40m sked this morning/afternoon/evening?? Looking for first QSO with the TT II!

Steve / VE7SL (CN88) Mayne Island, BC

Date: Tue, 25 Jul 2000 13:33:46 EDT
From: NB6M@aol.com
To: qrp-l@lehigh.edu
Cc: n2apb@erols.com, ki6ds@dospalos.org, jparker@fix.net, na5n@rt66.com
Subject: [75844] (no subject)
Message-ID: <64.4f3c7f0.26af297a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

For those who want to use the 5 Watt Mosfet PA in another transceiver, remember that the Mod makes use of the fact that there is a section of output filter network already in the SMK-1, which consists of a 390 pf cap, a 1 uh coil (replaced in the mod) and a 470 pf cap. Additionally, there is an 82 pf cap across the coil, which is a trap for harmonics. Another 82 pf cap could be added across the 16 turn T37-2, if desired.

In order to use the amp in another 40 meter rig, you would need to ensure that the entire output filter matches the effective result of the Mod, which means that you need a 470 cap, a 16 turn T37-2, an 820 pf cap (780 in the SMK with the mod), a 19 turn T37-2, and another 470 pf cap, in that order, as a five element output filter network.

Because of the fact that there was already an existing section of output filter in the SMK-1, It was easy to add a section and change the value (and size) of the coil in the circuit in order to effectively have the values indicated. The .1 cap between the two sections is nothing more than a coupling capacitor, and the two 390 pf caps are effectively paralleled, making 780 pf, close enough. If you use a single 820 pf cap, the .1 can go between the Drain of the Mosfet and the filter.

So you can either modify an existing output filter network by changing values and adding a section as was done in the SMK-1, or replace it with the entire five element filter listed above. For use on other bands, simply scaling the values should work.

In addition, be sure that you either have adequate supply voltage filtering for the 5 W PA stage, where you insert the amp into the circuit, or add a 100 uf electrolytic and a .1 cap at the top of the FT37-43 RF choke.

72

Wayne NB6M

Date: Tue, 25 Jul 2000 13:52:26 -0400
From: "Armin Hachmer" <armin@muskoka.com>
To: "QRP-Canada" <qrp-canada@lists.gpfn.sk.ca>, "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [75845] need help to contact Mosley Antenna
Message-ID: <002c01bff661$3ed880e0$3fafd4c7@muskoka.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

can anyone help with a phone fax or address for Mosley Electronics
please? I need some parts for one of their beams and none of the info i have
is valid.

Armin Hachmer VE3TEQ
'Life is a contactsport'
armin@muskoka.com
QRP-C # 17 QRP-L # 1702
fpQRP # 52

Date: Tue, 25 Jul 2000 13:56:05 -0400
From: Mike Maiorana <mikemo@attglobal.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [75846] FS: HTX-10
Message-ID: <397DD4B5.53F1E221@attglobal.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have an HTX-10 for sale that is in excellent condition both physically
and electrically. 25 Watts out. Covers 28.0 to 29.669 MHz, with USB,
LSB, AM and FM modes. Does FM repeater splits. Has a noise blanker. An
adapter can be built to use it on CW. I'm driving a different car now
and can't install it. It comes with the mobile mounting bracket,
microphone, mic bracket, and manual. Sorry, I don't have the original
box. Best of all it comes with the remainder of a 3 year warranty from
radio shack (over two years left). They will repair or replace it if
anything goes wrong. The total cost for this package was $183.99, but

I'd like to sell it all for $110. 10 meters is in great shape, and this
will make a great mobile rig for someone.
Please reply direct. Thanks for the bandwidth!
72 de ku4qo
Mike Maiorana, Palm Harbor, FL

Date: Tue, 25 Jul 2000 13:07:39 -0500
From: w8ln@ifreedom.com
To: qrp-l@lehigh.edu
Subject: [75847] Re: 14.008
Message-ID: <200007251803.OAA20518@nss4.cc.lehigh.edu>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

> This mornings mail brought antoher 8 postings about this signal. I
> have been watching this subject for the last week or so and find the
> 'ditter' is more popular than any other single QRP topic. Why?

AMEN!

Isn't it obvious that someone who leaves a rig on all the time has
had something bump their paddles.

Looks like it's time to add a filter for the subject "14.008"!
73 Bryan W8LN
http://homestead.juno.com/lnrr/index.html

This email account is used for email lists. Some of these
lists require heavy filtering because of the high junk
level. Please send replies to w8ln@arrl.net to insure that
I receive your message.

Date: Tue, 25 Jul 2000 13:02:45 -0500
From: "Mike D." <hrg@cifnet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [75848] RE: need help to contact Mosley Antenna
Message-ID: <000101bff662$89408c80$43ad4ec6@mike1>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> can anyone help with a phone fax or address for Mosley Electronics
> please?

http://www.mosley-electronics.com/home.htm

mosley@mosley-electronics.com

Mosley Electronics, Inc.
1325 Style Master Drive
Union, MO 63084

Sales: 1-800-325-4016
Technical Support: 636-583-8595
Fax: 636-583-0890 (24 hours)

73 de Mike, N9BOR
FISTS NR 4594 SOC # 116
http://www.qsl.net/n9bor

di dah dit - The only roger beep you'll ever need.
My designated driver is a 12BY7A.

Date: Tue, 25 Jul 2000 12:08:46 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [75849] Summer Fox Hunt #3 - N5TW - corrected -
Message-ID: <Pine.LNX.3.95.1000725120615.25970A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

****
                      - TEAM COMPETITION -
****

 (1) - SWAMP RATS: Pts=14   "Clean Sweep"
     - K0EVZ - Doc <-
     - NV4V - Pete <-
     - AF4PS - Mac <-
     - AJ4Y - Paul <-
     - N1TP - Tom <-

(2) - QRP CHEESEHEADS: Pts=2
- N9AW - Jerry
- NK9G - Rick <-
- AE9K - Brian
- WA9TZE- Jim

(3) - RAIDERS OF THE LOST RF: Pts=5
- NA6E   - Mary
- VE3FAL - Fred
- VA6RF - Earl <-
- VE5RC - Bruce
- VE6JAZ - Robert <-

(4) - THE FLYING PIGS: Pts=9
- KB9BVN - Brian
- N8IE   - Dan
- W8DIZ - Diz <-
- WB6JBM - Rick
- AC7CF - Andrew <-

(5) - GANDALF the GREY:
- G0JJQ - Wayne

(6) - BIG DAWGS: Pts=11
- N1FN - Marshall
- N5TW - Tom <-
- WJ1R - Larry <-
- NW7DX - Ben <-
- N6WG - Bob <-

...as always, any corrections are welcome....please contact me direct....

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Tue, 25 Jul 2000 12:31:06 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [75850] Summer Fox Hunt #4 - WJ1R -
Message-ID: <Pine.LNX.3.95.1000725122711.27305A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

****
- TEAM COMPETITION -
****

(1) - SWAMP RATS: Pts=17
- K0EVZ - Doc <-
- NV4V - Pete <-
- AF4PS - Mac
- AJ4Y - Paul<-
- N1TP - Tom

(2) - QRP CHEESEHEADS: Pts=3
- N9AW - Jerry <-
- NK9G - Rick
- AE9K - Brian
- WA9TZE- Jim

(3) - RAIDERS OF THE LOST RF: Pts=6
- NA6E - Mary
- VE3FAL - Fred
- VA6RF - Earl <-
- VE5RC - Bruce
- VE6JAZ - Robert

(4) - THE FLYING PIGS: Pts=9
- KB9BVN - Brian
- N8IE - Dan
- W8DIZ - Diz
- WB6JBM - Rick
- AC7CF - Andrew

(5) - GANDALF the GREY:
- G0JJQ - Wayne

(6) - BIG DAWGS: Pts=16 "Clean Sweep"
- N1FN - Marshall <-
- N5TW - Tom <-
- WJ1R - Larry <-

- NW7DX - Ben <-
- N6WG - Bob <-

...as always corrections are welcome.....please send direct....

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Tue, 25 Jul 2000 19:41:05 +0100
From: Stewart Bryant <stewart.bryant@virgin.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75851] Foxes
Message-ID: <397DDF40.8A9D7AC2@virgin.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I keep seeing mails on foxes, but have never seen a description
of what actually happens, how you take part etc. Could someone
point me in the right direction?

Thanks

Stewart G3YSX

Date: Tue, 25 Jul 2000 14:53:54 -0400
From: "Joe Trombino" <w2kj@earthlink.net>
To: <QRP-L@LEHIGH.EDU>
Subject: [75852] P.S. Pass transistor
Message-ID: <007301bff669$af3442e0$1b53fc9e@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Howdy Fellow QRP'ers:

Had a severe thunderstorm down our way a couple of weeks back and after the storm I went into the shack to take a look at things.

I measured 19.5 VDC coming out of my Astron RS-7A power supply. This level typically indicates that the pass transistor is defective.

OK..not having a 2N3771 (NPN power) on hand I hosed in the old reliable 2N3055 (NPN power)....duh...got 0 VDC at the output terminals.

I have seen the 2N3055 used as a pass transistor in many power supplies and am wondering why it appears to be so critical as to the transistor choice since as soon as I plugged in a newly arrived 2N3771 the power supply came right up at 13.5VDC.

I guess I'm too used to swapping around 2N2222's and 2N3904's, etc, etc.:-)

Any ideas on the above??

73, Joe W2KJ (North Carolina)
I QRP, therefore I am

Date: Tue, 25 Jul 2000 13:46:30 -0500
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'w2kj@earthlink.net'" <w2kj@earthlink.net>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75853] RE: P.S. Pass transistor
Message-ID: <4734702CFA3CD411A74A00805F57A3B703E3F375@dfwex01.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I think you'll find that the 2N3771 has (much) higher gain than the ol' standby 2N3055, Joe.

On the other hand, that ol' 2N3055 *should* have worked at least SOMEWHAT! I wonder
if you had the pins of the transistor connected correctly? Are you *sure* the 2N3055 was
a "good" transistor (not an open circuit among any of the pins?).

Hmmmm..... is a puzzlement!

Karl K - W8TIF
McKinney, Texas

-----Original Message-----
From: Joe Trombino [SMTP:w2kj@earthlink.net]
Sent: Tuesday, July 25, 2000 1:54 PM
To: Low Power Amateur Radio Discussion
Subject: P.S. Pass transistor

Howdy Fellow QRP'ers:

Had a severe thunderstorm down our way a couple of weeks back and after the storm I went into the shack to take a look at things.

I measured 19.5 VDC coming out of my Astron RS-7A power supply. This level typically indicates that the pass transistor is defective.

OK..not having a 2N3771 (NPN power) on hand I hosed in the old reliable 2N3055 (NPN power)....duh...got 0 VDC at the output terminals.

I have seen the 2N3055 used as a pass transistor in many power supplies and am wondering why it appears to be so critical as to the transistor choice since as soon as I plugged in a newly arrived 2N3771 the power supply came right up at 13.5VDC.

I guess I'm too used to swapping around 2N2222's and 2N3904's, etc, etc.:-)

Any ideas on the above??

73, Joe W2KJ (North Carolina)
I QRP, therefore I am

Date: Tue, 25 Jul 2000 13:00:44 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [75854] Summer Fox Hunt #5 - AE2T -
Message-ID: <Pine.LNX.3.95.1000725125643.29058A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

****
- TEAM COMPETITION -

****

(1) - SWAMP RATS: Pts=22 "Clean Sweep"
- K0EVZ - Doc <-
- NV4V - Pete <-
- AF4PS - Mac <-
- AJ4Y - Paul<-
- N1TP - Tom <-

(2) - QRP CHEESEHEADS: Pts=3
- N9AW - Jerry
- NK9G - Rick
- AE9K - Brian
- WA9TZE- Jim

(3) - RAIDERS OF THE LOST RF: Pts=8
- NA6E   - Mary
- VE3FAL - Fred
- VA6RF - Earl <-
- VE5RC - Bruce <-
- VE6JAZ - Robert

(4) - THE FLYING PIGS: Pts=12
- KB9BVN - Brian <-
- N8IE   - Dan <-
- W8DIZ - Diz <-
- WB6JBM - Rick
- AC7CF - Andrew

(5) - GANDALF the GREY:
- G0JJQ - Wayne

(6) - BIG DAWGS: Pts=21 "Clean Sweep"
- N1FN - Marshall <-
- N5TW - Tom <-
- WJ1R - Larry <-
- NW7DX - Ben <-
- N6WG - Bob <-

...please send any corrections to me direct...thank you...

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Tue, 25 Jul 2000 14:22:34 -0500
From: "Randall" <Firefox@Southwind.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [75855] Dan's Small Parts.
Message-ID: <015f01bff66d$b19eb660$5a5986d1@default>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone know what has happened to Dan's Small Parts web site ?

Date: Tue, 25 Jul 2000 13:28:53 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-l@LeHigh.EDU>
Subject: [75856] question
Message-ID: <Pine.LNX.3.95.1000725132712.31241A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Anyone know where I can find the fox list for the Summer Fox Hunt for
August and September please?....tnx....my list only goes to the end of
July.....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
          A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
          "QRP! How sweet it is!"   "I am da man wit "DAH" paddle!"

Date: Tue, 25 Jul 2000 15:29:47 EDT
From: n5ib@juno.com
To: qrp-l@Lehigh.edu

Subject: [75857] WTB - GM series xcvr
Message-ID: <20000725.142752.4655.5.N5IB@juno.com>

I was contacted by Alan (NN1X) who apparently saw a writeup in CQ that
mentioned (or pictured) my GM-30 rig. (anybody seen the article???)

He would like to find a GM-30 or perhaps another of the series, already
built. I told him I would pass his request on to the QRP-L gang.

Please respond privately to Alan, NN1X at <APlotnick@aol.com> if you have
a GM you'd care to part with. Nope, I'm hanging' on to both of mine,
'case y'all are wondering :^)

I can't help noting the coincidence of NN1X seeking an NN1G rig.

72
Jim N5IB

Date: Tue, 25 Jul 2000 12:36:00 -0700
From: Andreas Junge <andreas@OpenGrid.Com>
To: Firefox@Southwind.net, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75858] RE: Dan's Small Parts.
Message-ID: <NDBBKKLBBLCGOKEGAAMIEECADGAA.andreas@opengrid.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Try this one:

http://www.fix.net/~jparker/dans.html#TOC

Andreas Junge, N6NU
Menlo Park, CA (CM87VK)

-----Original Message-----
From: Randall [mailto:Firefox@Southwind.net]
Sent: Tuesday, July 25, 2000 12:23 PM
To: Low Power Amateur Radio Discussion
Subject: Dan's Small Parts.

Anyone know what has happened to Dan's Small Parts web site ?

Date: Tue, 25 Jul 2000 13:43:59 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [75859] Summer Fox Hunt #6 - W8RU -
Message-ID: <Pine.LNX.3.95.1000725134103.31858A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

****
- TEAM COMPETITION -
****

(1) - SWAMP RATS: Pts=26
- K0EVZ - Doc <-
- NV4V - Pete
- AF4PS - Mac <-
- AJ4Y - Paul <-
- N1TP - Tom <-

(2) - QRP CHEESEHEADS: Pts=3
- N9AW - Jerry
- NK9G - Rick
- AE9K - Brian
- WA9TZE- Jim

(3) - RAIDERS OF THE LOST RF: Pts=9
- NA6E - Mary
- VE3FAL - Fred
- VA6RF - Earl <-
- VE5RC - Bruce
- VE6JAZ - Robert

(4) - THE FLYING PIGS: Pts=12
- KB9BVN - Brian
- N8IE - Dan
- W8DIZ - Diz
- WB6JBM - Rick
- AC7CF - Andrew

(5) - GANDALF the GREY:

- G0JJQ - Wayne

(6) - BIG DAWGS: Pts=26 "Clean Sweep"
- N1FN - Marshall
- N5TW - Tom
- WJ1R - Larry
- NW7DX - Ben
- N6WG - Bob

...please send any corrections directly to me....tnx.....

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Tue, 25 Jul 2000 13:08:38 PDT
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-l@lehigh.edu
Cc: w2kj@earthlink.net
Subject: [75860] Re: P.S. Pass transistor
Message-ID: <20000725200838.26296.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Any possibility that you shorted the transistor case? I am not familiar with that power supply but I did once mount a power transistor improperly not paying attention and care in realigning the sucker. The case was supposed to be insulated from the chassis but I didn't take adequate care to install it. Thinking that I could just retighten the screws I promptly blew a fuse when it was powered up.

That would probably result in a 0 V situation. :-(

Brad

Howdy Fellow QRP'ers:

Had a severe thunderstorm down our way a couple of weeks back and after the storm I went into the shack to take a look at things.

I measured 19.5 VDC coming out of my Astron RS-7A power supply. This level typically indicates that the pass transistor is defective.

OK..not having a 2N3771 (NPN power) on hand I hosed in the old reliable 2N3055 (NPN power)....duh...got 0 VDC at the output terminals.

I have seen the 2N3055 used as a pass transistor in many power supplies and am wondering why it appears to be so critical as to the transistor choice since as soon as I plugged in a newly arrived 2N3771 the power supply came right up at 13.5VDC.

I guess I'm too used to swapping around 2N2222's and 2N3904's, etc, etc.:-)

Any ideas on the above??

73, Joe W2KJ (North Carolina)
I QRP, therefore I am

Date: Tue, 25 Jul 2000 13:11:35 -0700
From: Mike Gipe <mgipe@reliablemeters.com>
To: rattray@gpfn.sk.ca, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75861] RE: question
Message-ID: <F988E2FF74F4D111A61F00A0C949D7A928EDE9@mission>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="windows-1252"

Everything you ever wanted to know about the summer fox hunt can be found on the foxhunt website:

http://www.cqc.org/sfox/

Mike K1MG

> Anyone know where I can find the fox list for the Summer Fox Hunt for
> August and September please?....tnx....my list only goes to the end of
> July.....
>
> ..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683

Date: Tue, 25 Jul 2000 14:17:11 -0600
From: "Rod, N0RC" <n0rc@qsl.net>
To: "Bruce Rattray" <rattray@gpfn.sk.ca>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [75862] Re: question
Message-ID: <087001bff675$82217320$058611d8@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bruce:

Try: http://www.cqc.org/sfox/sched.htm

Going up a level http://www.cqc.org/sfox, takes you to the Summer Fox index page, leading to other info concerning the Summer Fox.

72/3 Rod, N0RC -- Fort Collins, CO

----- Original Message -----
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Tuesday, July 25, 2000 1:28 PM
Subject: question

>
> Anyone know where I can find the fox list for the Summer Fox Hunt for
> August and September please?....tnx....my list only goes to the end of
> July.....
>
> ..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
>   A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
>   "QRP! How sweet it is!"   "I am da man wit "DAH" paddle!"
>

Date: Tue, 25 Jul 2000 14:39:44 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@lehigh.edu
Subject: [75863] FOX: Chuck Bags another Pelt
Message-ID: <397DA6B0.25604.12B64EC@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I was delighted to see K7QO in the logs for hunts 5 and 6. Chuck (QRP-L #1)has
been moving house and setting up antennas, and it looks as if whatever he has
done has been effective-- look for a big signal when he's the fox next month!

Marshall Emm, N1FN
Milestone Technologies, Inc.
(303) 752-3382
http://www.mtechnologies.com

Date: Tue, 25 Jul 2000 16:45:54 -0400
From: John Wagner <john@neknetwork.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75864] KB1ENS log from last night
Message-ID: <397DFC82.7CACDEA5@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Here is my dipole vs. bazooka log from last night:

http://www.neknetwork.com/dipole-vs-bazooka.html

Since there are only five QSO's, I find the results to be inconclusive.
I had numerous times where there were two callers at once - that is a
skill I haven't mastered yet! I randomly switched which antenna was A
and B and I switched around which one I called CQ on. There were also
times were I ended up chatting a bit.

I'm hoping to get the bazooka up again soon and do some more nights of
switching back and forth and tallying the results - it's fun!

73,

John, KB1ENS

--
John Wagner - john@neknetwork.com
Web page: http://www.neknetwork.com
Personal Web page: http://www.together.net/~jwag

Date: Tue, 25 Jul 2000 15:13:45 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@lehigh.edu, cqclist@cqc.org
Subject: [75865] FOX: Summer Fox Hunt Stats
Message-ID: <397DAEA9.17076.14A8B6D@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

The statistics for the QRP-L Summer 20M Fox Hunt are very interesting. These are NOT the scores, which are available on the web site at http://www.cqc.org/sfox .

Here are the freshly crunched numbers, based on all hunts through last Sunday's (number 6), or the first three weeks of the hunt. Note that the log for the last hunt is still "preliminary," so there could be some minor changes.

Number of Hunts: 6

Number of Foxes: 5

Number of Hounds: 152

Number of QSOs: 536

The most interesting aspect of this is that while 152 of us have bagged a pelt, the most to do so in any one hunt is 76, or exactly half.

With at least 156 hounds in the race (possibly there are some who have tried but not yet bagged a pelt), logs with over 100 QSO's should start appearing soon.

If you've been looking at the logs and reports, you've no doubt seen that propagation has been highly variable-- that's why each fox gets two runs this summer. For once I can regard myself as lucky to be in Colorado [g]. Oh, I guess I better reassure that I had absolutely no say in the selection of foxes.

Don't forget there are some great prizes, and you are still in it-- anything could happen, and conceivably a guy who has worked all six foxes could end up without another single pelt. The prizes will extend some way down into the rankings, too.

May the fox be with you...

Marshall Emm, N1FN
Milestone Technologies, Inc.
(303) 752-3382
http://www.mtechnologies.com

Date: Tue, 25 Jul 2000 14:12:29 -0700 (PDT)
From: wa4dou@excite.com
To: qrp-l@lehigh.edu
Subject: [75866] re.:contact Mosley Antenna(Search Engines)
Message-ID: <2577231.964559549389.JavaMail.imail@roary.excite.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Armin,

  If you go to www.webcrawler.com (this is called a "search engine") and type Mosley in the "search" block, Antennas by Mosley-Amateur, Commercial, Military,and Citi... will come up as the first result under Web Results For: Mosley. Click onto that listing and viola- it will take you right to Mosleys page . The address is at the bottom of the page(telephone numbers too !) 73 Roy WA4DOU

On Tue, 25 Jul 2000 13:52:26 -0400, armin@muskoka.com wrote:

> can anyone help with a phone fax or address for Mosley Electronics
> please? I need some parts for one of their beams and none of the info i have
> is valid.
>
> Armin Hachmer VE3TEQ
> 'Life is a contactsport'
> armin@muskoka.com
> QRP-C # 17 QRP-L # 1702
> fpQRP # 52
>

____
Say Bye to Slow Internet!
http://www.home.com/xinbox/signup.html

Date: Tue, 25 Jul 2000 17:14:28 -0400
From: "Armin Hachmer" <armin@muskoka.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>, "QRP-Canada" <qrp-canada@lists.gpfn.sk.ca>
Subject: [75867] contact for Mosley received
Message-ID: <007c01bff67d$64166f40$3fafd4c7@muskoka.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

thank you all. wow. fast and helpfull.
appreciate it.

Armin Hachmer VE3TEQ
'Life is a contactsport'
armin@muskoka.com
QRP-C # 17 QRP-L # 1702
fpQRP # 52

Date: Tue, 25 Jul 2000 18:23:01 -0400
From: Michael Bower <bowerm@ix.netcom.com>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [75868] Elmer 101 tool requirements
Message-ID: <397E1345.2D3C5591@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi, gang,

In two weeks, I will be embarking on my trip to the beach (yeah). For
this vacation, I've gotten a hold of an SW+20 kit from Dave Benson to
build. I plan on building it while following along with the Elmer 101
course.

Naturally I will take along the tools I need to build the rig.

But can any of you tell me what other tools I might need for doing the Elmer 101 lessons. I know I need a Multi-meter. I also need an RF Probe (where do I get a schematic for this). But what else might I need to do the course.

Michael

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73 de N4NMR
Michael Bower
Ashburn, VA (near Washington, D.C.)

Date: Tue, 25 Jul 2000 18:31:04 -0400
From: Michael Bower <bowerm@ix.netcom.com>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [75869] vacation antenna
Message-ID: <397E1528.6E9D55AD@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I know there has been a log of discussion recently about portable antennas. But I could use some details for a particular situation. (Although I've been a ham for 20+ years, I haven't spent much time on HF or QRP for most of that time.)

The place where we stay is about 50 feet from the ocean, facing ENE or E. I have a 20' black widow that can be mounted on the front deck putting the top of the black widow at about 30 feet up. I could build a doublet for this but the problem is that the lot is not very wide so the dipole be more of an inverted V dipole with very sharply angled legs.

Rigs to be used are DSW40 and NorCal40A on 40 meters. May take a 20 meter rig as well (RHR).

Here's the questions:

1) Will this suffice for being able to do some HF work?

2) I may be able to lessen the angle of the inverted V IF I run the legs back a bit. What I mean is this. If you look at the antenna from above, I can gain on the angle if the legs (as seen from above) also

form a slight V. The top of this V would be away from the ocean and the base of the V would be pointing towards the ocean. Will this configuration help or hurt me?

3) Would I be better off to try to use the crappie pole (black widow) for a Saint Louis Vertical instead of supporting a doublet? If I did that, how long would the radials have to be and how many would I need. Remember, the open side of this would be towards the ocean so the radial would predominantly be that way as well. (The back side runs into the house).

4) Am I totally off base and would a better antenna be suggested?

Any advice is appreciated. But hurry as if I have to build something (like the SLV) I better get cracking.

TIA

Michael N4NMR

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73 de N4NMR
Michael Bower
Ashburn, VA (near Washington, D.C.)

Date: Tue, 25 Jul 2000 18:51:52 -0400
From: Paul Womble <pwomble1@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, aqrp@egroups.com
Subject: [75870] CQ Austin, TX
Message-ID: <397E1A07.162DB082@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I will be in Austin from the afternoon of Monday July 31st until the morning of Friday August 4th.

I know I am missing the Austin Hamfest the weekend before...but are there any ham gatherings that week at night?

Thursday night is the foxhunt so I will be setting up something at the hotel to get on 20m with the K2.

I will be on the 146.940 (I think that's it) repeater with an HT.

73
Paul AJ4Y

Date: Tue, 25 Jul 2000 22:52:34 GMT
From: "Tom Dufresne" <tdufres@hotmail.com>
To: qrp-l@LeHigh.EDU
Subject: [75871] Help winding xformers!
Message-ID: <F131Jkt1o88yBdO9G5G00001a69@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Help! I am winding two bifilar transformers, on a FT37-43 core. I can't seem to get past a certain point! I twist the wires together, then wrap them around the torroid (10 times), then check continuity. It seems as if they are touching somewhere, because I have continuity in A and A', but also in A and B, and A and B', etc. The edges of the torroids are not rounded like the ones you use for filters, and I do notice some scraping along the wires. They are shorting! What can I do to avoid this?
Help! I am stuck!
Tom
KC GXX

End of QRP-L Digest 1893
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